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THIRTY-FIRST

ANNUAL CATALOGUE.

Pennsylvania College for Women.

PITTSBURGH, PA.

1900-1901.

SMITH BROTHERS,

FRANKLIN PRINT, 405 GRANT STREET,

PITTSBURGH.

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CALENDAR FOR 1901.

JANUARY.							FEBRUARY.							MARCH.							APRIL.						
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CALENDAR FOR 1902.

JANUARY.							FEBRUARY.							MARCH.							APRIL.						
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CALENDAR.

1901.		
16–17 Sept.	Monday-Tuesday,	Examinations for Admission.
17 Sept.	Tuesday,	First Semester begins — Enrollment.
18 Sept.	Wednesday,	Recitations begin.
28 Nov.	Thursday,	Thanksgiving Day.
20 Dec.	Friday, 12 M.,	Christmas Vacation begins.
1902.		
6 Jan.	Monday, 6 P. M.,	Christmas Vacation ends.
28 Jan.	Tuesday,	Examinations begin.
30 Jan.	Thursday,	Day of Prayer for Colleges.
3 Feb.	Monday,	Second Semester begins.
27 Mar.	Thursday, 12 M.,	Spring Vacation begins.
7 Apr.	Monday, 6 P. M.,	Spring Vacation ends.
May	Saturday,	May Day Fete.
30 May	Friday,	Decoration Day.
5 June	Thursday, 4 P. M.,	Annual Meeting of Trustees.
5 June	Thursday, 8 P. M.,	Annual Concert.
6 June	Friday,	Annual Meeting of the Alumnæ.
7 June	Saturday, 4 P. M.,	Class Day.
8 June	Sunday,	Baccalaureate Sermon.
9 June	Monday, 10:30 A.M.,	Commencement.

OFFICERS OF THE COLLEGE.

Board of Trustees.

CLASS WHOSE TERM EXPIRES 1901.

George A. Berry,
Rev. E. P. Cowan, D. D.,
William N. Frew, Esq.,
Rev. W. L. McEwan, D. D.,
Rev. R. M. Russell, D. D.,
David McK. Lloyd,
Charles Lockhart,
Robert Pitcairn,
James Laughlin, Jr.,
R. E. Stewart, Esq.

CLASS WHOSE TERM EXPIRES 1902.

Rev. John G. Brown, D. D.,
Lawrence Dilworth,
Charles W. Hubbard,
George Westinghouse, Jr.,
Rev. H. D. Lindsay, D. D.,
Samuel E. Gill,
Rev. Wm. J. Reid, D. D.,
Rev. T. H. Robinson, D. D.,
C. A. Painter,
J. R. Sterrett, Esq.

CLASS WHOSE TERM EXPIRES 1903.

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Mrs. W. S. Miller,
Rev. W. J. Holland, D. D.,
Rev. R. S. Holmes, D. D.,
Rev. J. P. E. Kumler, D. D.,
Oliver McClintock,
S. S. Marvin,
H. J. Murdoch,
Rev. W. P. Shrom, D. D.,
Hon. S. A. McClung.

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President, - - - - Rev. Wm. J. Reid, D. D.,
First Vice President, - - Rev. T. H. Robinson, D. D.,
Second Vice President, - Hon. S. A. McClung,
Secretary and Treasurer, - Henry A. Breed.

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Executive Committee.

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Hon. S. A. McClung,
J. R. Sterrett,
D. McK. Lloyd,
Lawrence Dilworth,
Rev. W. J. Reid, D. D., *Ex-officio*.

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Rev. T. H. Robinson, D. D., *Chairman*,
Rev. H. D. Lindsay, D. D., *Secretary*,
Rev. W. L. McEwan, D. D.,
R. E. Stewart,
James Laughlin, Jr.,
Rev. W. J. Reid, D. D., *Ex-officio*.

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Rev. R. S. Holmes, D. D.,
Rev. R. M. Russell, D. D.,
C. A. Painter.

Committee on Library.

Rev. J. P. E. Kumler, D. D.,
Rev. W. P. Shrom, D. D.,
W. N. Frew.

Auditing Committee.

Oliver McClintock,
Thos. M. Armstrong.

Committee on Advertising.

Rev. E. P. Cowan, D. D.,
H. J. Murdoch.

FACULTY.

1900–1901.

President,
REV. CHALMERS MARTIN, A. M.

MARY JANE PIKE,
Professor Emeritus, Latin and Greek.

JANE B. CLARK, A. M.,
Mathematics and Astronomy.

EMMA M. JEWETT, A. B.,
History and History of Art.

MARY W. BROWNSON,
Bible.

ALICE T. SKILTON, A. B.,
German Language and Literature.

CAROLINE MORRIS GALT, A. B.,
Latin and Greek.

DOROTHY A. HAHN, A. B.,
Chemistry and Biology.

JOSEPHINE P. DEVALLAY,
French Language and Literature.

ELLA A. KNAPP, Ph. D.,
English Language and Literature.

ETHEL GORDON MUIR, Ph. D.,
Philosophy and Political Science.

*COLLEGE PREPARATORY DEPARTMENT.

JANET L. BROWNLEE, *Principal*,
Mathematics.

ANNA M. HAMILTON, A. B.,
Latin.

ARABELLE MARCH, A. B.,
English.

FRANCIS STUART KING,
Latin.

MARTHA C. DAMPMAN,
Mathematics and English.

ELIZABETH B. ARMSTRONG, A. B.,
History.

ELIZABETH A. BEATEY, B. O.,
Elocution and Physical Training.

GEORGETTE DE VALLAY,
French and German.

MARTHA LANG DUFF,
Assistant in Preparatory Department.

*Assistance is also rendered in the instruction of the Preparatory Department by Misses Clark, Brownson, Galt and Hahn, of the College Faculty, in Mathematics, Bible, Greek and Physics respectively.

SCHOOL OF MUSIC.

JOSEPH H. GITTINGS,
Piano.

JOSEPH McINTYRE,
Piano.

EDWARD J. NAPIER,
Voice and Organ.

E. N. BILBIE,
Violin.

MARY JUDSON RIDDILE,
In Charge of Practice.

SCHOOL OF ART.

JANE BOSTWICK,
Director.

JANE M. THURMAN, A. M.,
Registrar and Secretary.

MARY F. GOLD,
Matron.

The Pennsylvania College for Women, Pittsburgh, Pa.

THE PENNSYLVANIA COLLEGE FOR WOMEN was founded in the year 1869. The purpose of its founders was to provide for Pittsburgh, and all the extensive region of which it is the natural center, an institution in which women might receive the higher education under distinctively Christian influences. The better to secure this end the government of the College is vested by its charter in a Board of Trustees of whom two-thirds must be members of some branch of the Presbyterian Church. The study of the Bible has always been emphasized, and is now required through the whole course. All students are required to attend morning prayers, and all resident students are expected to be present at evening prayers and to attend church at least once on Sunday. A Young Women's Christian Association is maintained by the students in conjunction with the faculty, and there are opportunities for voluntary Bible study and various forms of Christian and philanthropic work. But while the College is thus unequivocally Christian, it has never been sectarian either in the management or in its constituency. Students are permitted to attend churches of their own faith as far as practicable.

The College is situated in the East End of Pittsburgh, about four miles from the City Hall and in the center of the choicest residence district which the city contains. It has convenient access by electric cars both to the busi-

ness sections and the parks and suburbs. The campus is a finely shaded tract of eleven acres, embracing a hill crest on which the buildings are situated. The plot owned by the College is part of one many times as large, containing the homes of a few families of wealth. The only entrance to this tract is by a private road, and as there are no fences between the several properties, the College is practically located in a large private park, thus securing abundance of space and air, wide views and opportunities for outdoor sports, combined with a delightful and wholesome privacy not easy to command in a great city. Indeed it is safe to say that few situations combine the advantages of city and country to a degree equal to that of the Pennsylvania College for Women.

The buildings of the College are large and handsome, and well adapted to their purpose. They are so disposed as to receive the sunshine on all sides in the course of the day. Their position on a hill top makes them always dry. They are fitted with the best sanitary plumbing, heated by steam, and lighted with gas. They are three in number, but so connected as practically to be one, so that no exposure to the weather is involved in passing from one to another. Berry Hall is mainly devoted to dormitories and public rooms for the use of the faculty and resident students, though it also contains the library, class-rooms and a large study-hall. Dilworth Hall is chiefly devoted to the chapel and assembly hall, class-rooms, laboratories, and art studio. The Music Hall contains a spacious gymnasium on the first floor, and on the second ample rooms for musical instruction and practice. The college can at present accommodate not more than one hundred resident students. As nearly all the members of the faculty live in the College, there is made possible a frequency and closeness of contact between

professors and students, and a community of interest approaching that which obtains in a well ordered home, which, while not curtailing the reasonable liberty of the student, cannot fail to be of the highest advantage.

Among other benefits which insure to the College by reason of its position in the heart of a great city is its nearness to the Carnegie Institute, with its splendid Library, containing 125,000 volumes; its Museum, rich in collections in zoology, paleontology, ethnography and the mechanic arts; its Art Gallery, which besides maintaining a valuable permanent collection of paintings draws examples of the best work of living artists in this country and abroad to its annual prize exhibitions; and its fine Music Hall, at which are offered opportunities second to none in the land to hear the best music rendered by the most eminent artists of the world. The Institute can be reached from the College in fifteen minutes, and all its privileges except those in music, and some even of these, may be freely enjoyed by the students.

REQUIREMENTS FOR ADMISSION.

Applicants for admission to the Freshman Class, must be at least sixteen years of age. Registration blanks will be provided by the College on application. These blanks, properly filled and signed, must be received by the President before September 1st. A registration fee of five dollars will be charged. This will be credited on the first payment for tuition, or speedily refunded if notification of withdrawal is sent before August 15th. No student will be entered for examination or accepted on certificate before the payment of this fee.

All applicants for admission, whether to the Freshman Class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character. Those who come from other colleges must also bring certificates of honorable dismission. Admission to the Freshman Class may be gained either by examination or by presentation of certificate from an approved High School or Academy. Each of these methods is outlined below.

Admission on Examination.

Applicants for admission may be examined either during the week preceding Commencement or on September 16th and 17th. Those who wish to be examined in June should notify the Registrar before June 1st; those who wish to be examined in September, before September 9th.

Admission on Certificate.

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman class without examination, on the presentation of certificates showing that they have completed the

requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Registrar during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly, the equivalents offered must be stated in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all of the requirements. Students received on certificate are regarded as upon probation during the first semester, and those deficient in preparation are dropped whenever the deficiency has been clearly demonstrated.

Admission to Advanced Standing.

Students seeking admission to an advanced grade may be examined in all prescribed studies antecedent to that grade, as well as in the elective studies necessary for the full quota of hours, but full credit will be given to such certificates as they bring from their previous instructors. No one is admitted to the Senior Class after the beginning of the second semester.

Admission to Special Courses.

Students may be received to take special studies for which previous education elsewhere has fitted them, but no student may select work who has neither passed an examination for college entrance nor presented a certificate of special preparation for the subjects desired. Those who enter classes for partial courses are held responsible for the examinations of such courses.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS.

I. Languages (Other Than English.)

(1) Latin.

(These requirements are based upon the recommendations of the American Philological Association.)

a. i. LATIN GRAMMAR: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive: so much prosody as relates to accent, versification in general, and dactylic hexameter.

ii. LATIN COMPOSITION: Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.

b. CÆSAR: Any four books of the *Gallic War*, preferably the first four.

c. CICERO: Any seven orations from the following list, but preferably the first six mentioned, (Manilian Law being accepted as the equivalent of two orations.)

The four orations against Cataline, Archias, Manilian Law, Marcellus, Roscius, Milo, Sestius. Ligarius, the fourteenth Philippic.

d. VIRGIL: The first six books of the *Æneid.*

Pronunciation after the Roman method is preferred. Equivalents will be accepted, but verse will not be considered a substitute for prose, nor will anything be

accepted for translation of English into Latin. An examination in sight reading will be given.

For (*b*) may be substituted the work required in Course 2. in the Latin course of the College Preparatory Department. (See p. 51.)

(2) *If Physics be offered, a three years' course in one of the following languages, and if Physics be not offered, an additional course of at least one year in a second is required.*

(*a*) **French.** The entrance requirements in French correspond to the three years' course detailed in the Preparatory Department. (See page 53.)

The examination in French is intended to test the candidate's knowledge of pronunciation and ordinary grammatical forms as well as her power to read at sight ordinary French prose and verse. Three years, five hours per week, will be required for preparation, which should include constant exercise in translating English into French.

(*b*) **German.** The entrance requirements in German correspond to the three years' course detailed in the Preparatory Department. (See pages 53, 54.)

An equivalent amount of reading will be accepted.

Students must be able to translate ordinarily difficult German at sight, and to translate simple connected prose from English into German.

A thorough knowledge of German grammar will be required, and the ability to express one's self in German and to follow a recitation conducted in that language.

Frequent practice is recommended in oral and written abstracts of texts read, and in memorizing selected passages.

(*c*) **Greek.**

(These requirements are based upon the recommendations of the American Philological Association.)

a. i. GREEK GRAMMAR: The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

ii. GREEK PROSE COMPOSITION, consisting principally of detached sentences to test the candidate's knowledge of grammatical construction.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis.*

b. XENOPHON: The first four books of the *Anabasis.*

c. HOMER: The first three books of the *Iliad* (omitting II, 494–end.)

An examination in sight reading will be given, based on passages from the *Anabasis.*

II. English.

The requirement in English is that recommended by the Conference on Uniform Entrance Requirements in English for Middle States and Maryland.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or divison into paragraphs.

a. READING.—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the

examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. The candidate is expected to read intelligently all the books prescribed. She is not expected to know them minutely, but to have fresh in mind their most important parts. In every case knowledge of the book will be regarded as less important than the ability to write good English. In preparation for this part of the requirement, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be :

1901 and 1902 : Shakespeare's *Merchant of Venice;* Pope's *Iliad*, Books I, VI, XXII, and XXIV ; The *Sir Roger De Coverley Papers* in The Spectator ; Goldsmith's *The Vicar of Wakefield ;* Coleridge's *The Ancient Mariner ;* Scott's *Ivanhoe ;* Cooper's *The Last of the Mohicans ;* Tennyson's *The Princess ;* Lowell's *The Vision of Sir Launfal ;* George Eliot's *Silas Marner.*

1903, 1904, 1905 : Shakespeare's *The Merchant of Venice* and *Julius Cæsar ;* The *Sir Roger Coverley Papers* in The Spectator; Goldsmith's *The Vicar of Wakefield* ; Coleridge's *The Ancient Mariner* ; Scott's *Ivanhoe ;* Cooper's *The Last of the Mohicans ;* Tennyson's *The Princess;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner.*

b. Study and Practice.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form, and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the

leading facts in these periods of English literary history to which the prescribed works belong.

The books set for this part of the examination will be:

1901 to 1905: Shakespeare's *Macbeth;* Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso;* Burke's *Speech on Conciliation with America;* Macauley's *Essays on Milton and Addison.*

Either part of the examination may be taken separately.

Attention is called to the following recommendations of the Conference on Uniform Entrance Requirements in English.

1. That English be studied throughout the elementary and secondary school courses, and, when possible, for at least three periods a week during the four years of the high school course.

2. That the prescribed books be regarded as a basis for such wider courses of English study as the schools may arrange for themselves.

3. That, where careful instruction in idiomatic English translation is not given, supplementary work to secure an equivalent training in diction and in sentence structure be offered throughout the high school course.

4. That a certain amount of outside reading, chiefly of poetry, fiction, biography, and history, be encouraged thoughout the entire school course.

5. That definite instruction be given in the choice of words, in the structure of sentences and of paragraphs, and in the simple forms of narration, description, exposition, and argument. Such instruction should begin early in the high school course.

6. That systematic training in speaking and writing English be given throughout the entire school course.

That, in the high school, subjects for composition be taken partly from the prescribed books and partly from the student's own thought and experience.

7. That each of the books prescribed for study be taught with reference to

a. The language, including the meaning of words and sentences, the important qualities of style, and the important allusions;

b. The plan of the work, i. e. its structure and method;

c. The place of the work in literary history, the circumstances of its production, and the life of its author.

That all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

III. Mathematics.

(1) ALGEBRA. Wentworth's *Complete Algebra* through Progressions, Logarithms omitted. The equivalent is accepted.

(2) PLANE GEOMETRY, complete. Wentworth or Wells, first five books.

IV. Science.

Physics, Carhart and Chute *Elements of Physical Science* or equivalent. Laboratory work consisting of at least 40 experiments taken from the manual must be shown by note book certified by the instructor to be the original work of the student. As noted above, one year of a third language may be substituted for Physics.

V. History.

Maps, Essays and Biographical sketches, bound neatly in a folder, must be presented to the teacher at the head of the History Department. If not presented, an examination on these points will be given.

The student must be prepared to give a clear, full statement of her entire past historical study, with grades of class standing in the same.

For detailed statement of requirements see the history courses offered in the Preparatory Department (page 56).

Course 1.

English History from earliest times to the present.

Course 2.

History of Ancient East and of Greece to the close of Peloponesian war.

Course 3.

Roman History to 476 A. D.

REQUIREMENTS FOR GRADUATION.

Somewhat extensive changes in the course of study required for graduation are now in process. Heretofore the College has provided two courses of study, leading to the degrees of A. B. and B. L. respectively. Beginning with the academic year 1902–1903, the B. L. course will be merged into the A. B. course, which will then offer a much wider choice of elective studies than has hitherto been allowed. During the academic year 1901–1902, students of the

Senior Class will be held to the curriculum hitherto in use. Students of the Junior and Sophomore years will be required to adjust their work to the new conditions as rapidly as circumstances permit. The course of study as now adopted is as follows:—

In order to graduate, students must have pursued a course of sixty-one (61) year hours, distributed between required and elective work in the proportion of thirty-seven (37) and twenty-four (24) respectively. The required work includes the following courses:—

Latin—Courses 1, 2.

English—Courses 1, 2, 3, 6.

A total of eight year hours in one or two of the following languages:

French
or
German
or
Greek.

Mathematics—Course 1.

Chemistry—Courses 1, 2, 3.
or
Biology—Courses 1, 2.

History—Courses 1, 2.

Philosophy—Courses 1, 2, 3.

Bible—Courses 1, 2, 3, 4.

The elective work must be distributed among the courses offered in the several years as specified below.

TABULAR STATEMENT OF CURRICULUM.

Freshman Year.	Hrs.	Sophomore Year.	Hrs.	Junior Year.	Hrs.	Senior Year.	Hrs.
Latin,	4	English,	1	English,	2	Philosophy,	1½
English,	3	French, or German, or Greek.	4	Philosophy,	2½	Bible,	1
French, or German, or Greek,	4			Bible,	1	Electives,	12½
				Electives,	9½		
Mathematics,	4	Science,	4				
Bible,	1	History,	3				
		Bible,	1				
		Elective,	2				
Total	16	Total	15	Total	15	Total	15

No student will be enrolled as a member of any class if her conditions exceed what may be made up in one year by a single recitation daily.

The faculty retains the option of forming a class in any elective except upon application of six students.

EXAMINATIONS.

Examinations are ordinarily held at the close of a semester, but may be held at other times at the discretion of the professor. Students who fail to present themselves for examination at the appointed time may secure private examinations only on the payment of a fee, and request for such examination must be preferred through the President.

COURSES OF INSTRUCTION.

LATIN.

1. **Livy:** Preface, Selections from Books I., XXI., XXII. (Wescott). Prose Composition based on Book XXI. (Eaton). Collateral reading in Roman history.

Required of Freshmen.

4 periods, first semester.

2. **Horace:** *Odes and Epodes* (Shorey). Study of metres, history and literary style.

Required of Freshmen.

4 periods, second semester.

3. **Cicero:** *Laelius, Cato Maior* (Shuckburgh). Selected letters (Kirkland).

Elective.

2 periods, first semester.

4. **Virgil:** *Bucolics, Georgics, and Aeneid,* Books VII.–XII. (Selections).

Elective.

2 periods, second semester.

5. **Pliny the Younger:** *Letters* (Westcott). Life and Letters.

Elective.

2 periods, first semester.

6. **Horace:** *Satires and Epistles.*

Elective.

2 periods, second semester.

N. B. Courses 3 and 4, and courses 5 and 6 form groups which will be offered in alternate years.

7. **Tacitus:** *Germania, Annales* (Books I. and II. entire; Books III. and IV., selections).

Elective.

3 periods, one semester.

8. Plautus: *Captivi Trinummus*; Study of Roman theatre, presentation of plays, language and style of Plautus.

Elective.

3 periods, one semester.

9. Advanced Prose Composition: Constructive study of Latin syntax and style.

Elective, open to Juniors and Seniors.

1 period, one semester.

10. History of Latin Literature: Lectures with selected readings. The aim of this course is to give a general survey of the subject, with particular emphasis on the influence of political and social conditions on literature.

Elective, open to Juniors and Seniors.

2 periods, one semester; or 1 period, through the year.

GREEK.

1. Grammar and Prose Composition: (White's *First Greek Book:*) **Anabasis,** (Goodwin and White.)

4 periods, through the year.

2. Anabasis: Continued through Book IV.; **Iliad:** (Seymour) Books I., II. and III. Prose composition based on the Anabasis.

4 periods, through the year.

N. B. --Courses 1 and 2 are open to students not offering Greek in college preparation. Course 2 open to students entering college with one year of Greek as a third language.

3. Lysias: Selected orations (Bristol). Collateral reading on the Attic orators, Legislative Bodies and Law Practice in Athens.

4 periods, first semester.

4. Aeschylus: *Prometheus Bound* (Mather). **Sophocles:** *Œdipus Tyrannus* (Earle.) Private reading on

the archæology of the drama, (actors, costumes, buildings, etc.)

4 periods, second semester.

N. B.—Courses 3 and 4 are open to all who have completed courses 1 and 2, whether in preparatory work or in college.

5. Plato: *Apology* and *Crito.* General survey of the life and times of Plato.

Elective; open to those who have completed courses 1, 2, 3 and 4.

3 periods, one semester.

6. Homer: *Odyssey.* Two books will be read consecutively. The epic will be studied as a whole from the literary standpoint. Homeric life and antiquities will be studied in detail.

Elective, open to those who have completed courses 1, 2, 3 and 4.

3 periods, one semester.

7. Herodotus: (Selections), or **Xenophon:** *Cyropædea;* rapid reading.

Elective, open to those who have completed courses 1, 2, 3 and 4.

2 periods, one semester.

8. Aristophanes: *Frogs,* **Lucian:** Selected dialogues.

Elective, open to those who have completed courses 1, 2, 3 and 4.

2 periods, one semester.

9. Advanced Greek Prose: Constructive study of Greek syntax and style.

Elective, open to Juniors and Seniors.

1 period, one semester.

10. **History of Greek Literature:** Lectures with private reading in Greek and English.

Elective, open to Juniors and Seniors.

2 periods, one semester, or 1 period, through the year.

ENGLISH LANGUAGE AND LITERATURE.

1. **English Composition:** Daily themes, with exercises in the principles of Description, Narration, and Exposition.

Required of Freshmen.

2 periods, through the year.

2. **English Literature:** Introductory course, which aims to train the student in intelligent reading of selected literature, to awaken interest in the best literature, and to cultivate an appreciation of literary form. Essays, topical recitations, and collateral reading.

Required of Freshmen. Open to Special Students.

1 period, through the year.

3. **Rhetoric:** Systematic study of prose form, with practice in the analysis of essays and arguments. Four reviews of standard books and eight essays in popular exposition.

Required of Sophomores.

1 period, through the year.

4. **English Literature and Rhetoric:** Study of the principles of structure in selected fiction, and in epic, lyric, and dramatic masterpieces. A correlate of course 6, designed for students who purpose to elect special courses in literature or language.

Elective for Sophomores and Special Students.

2 periods, first semester.

5 (*a*) **Old English and Chaucer:** Introductory course in the study of the English language. Elementary les-

sons in Old English as a basis of the pronunciation and reading of Chaucer. Pre-requisites, English 1 and 2.

Elective.

2 periods, first semester.

5. (*b*) **Old English:** Cynewulf's *Elene;* Grammar of Old English (Sievers–Cook); lectures on the history of the English language.

Elective, open to students who have passed 5 (a.)

2 periods, second semester.

6. **The History of English Literature:** The development of our literature from the *Beowulf* to Tennyson; a study of the masterpieces of English. Pre-requisites: English 1, 2, and 3. History 5 and 6 (See page 39), and English 4 are recommended as preliminary electives.

Required of Juniors; open to those who have completed courses 1, 2, and 3.

2 periods, through the year.

7. **The Principles of Argumentation:** Study of argumentative writing; preparation of briefs; and practice in debate.

Elective, open to Juniors and Seniors.

2 periods, first semester.

8. (*a*) **The History of Literary Criticism.**

(*b*) **The Interpretation of Literature.** Pre-requisites: English 1, 2, and 4.

Elective, open to Juniors, Seniors, and Graduates.

2 periods, second semester.

9. **Shakespeare:**

(*a*) The English Drama before Shakespeare.

(*b*) The development of Shakespeare's mind and his progress in the mastery of dramatic technic. Lectures, essays, and discussions upon ten of the plays.

Elective, open to Seniors and Graduates.

3 periods, first semester.

10. (*a*) Seminary in English Literature since 1832.

(*b*) Seminary in American Literature.

Elective, open to Seniors and Graduates. Students may choose either a or b. Those planning to elect course 10 are advised to take course 4 in Philosophy (See page 42).

3 periods, second semester.

11. Teachers' Course:

(*a*) Historical English Grammar.

(*b*) Methods of teaching English; observation of methods in use in the secondary schools; conferences.

Open to teachers,

Hours to be arranged with the instructor.

FRENCH.

1. Grammar: Whitney. A thorough drill in verbs; Reading: Halèvy, *L'Abbé Constantin*, *Labiche et Martin; Le Voyage de Monsieur Perichon*, Sandeau, *Mademoiselle de la Seiglière;* About, *La Mère de la Marquise*; Michelet, *La Prise de la Bastille.*

Open to Freshmen who have offered no French at entrance.

4 periods, through the year.

2. Histoire de la Litterature francaise: R. Doumic. Drill in letter writing. Short lectures on the formation of the French language. Easy English translated into idiomatic French. Reading: Daudet, *Les Lettres de Mon*

Moulin; Madame de Sèvigné, *Letters;* Mèrimée, *Colomba;* Marmier, *Le Protègé de Marie Antoinette.*

Open to students who have taken course 1 or its equivalent.

4 periods, through the year.

3. Textual Reading and study of French Literature; French Revolution, its influence in literature. Reading: V. Hugo, *Quatre-vingt-treize;* Lamartine, *Jocelyn.* Short lectures on Early Pessimism, Religious Renaissance, Romanticism and the Humanitarians. Selected readings.

Elective for students who have had courses 1 and 2 or their equivalent.

3 periods, through the year.

4. Talks and Discussions on French society of the XVII century. L'Hotel de Rambouillet: its influence; biographies of its "habitués." Réforme de la prose. Reading: Selections from Jean de Balzac, Voiture and Descartes, The Moralists, the Pulpit, La Rochefoucauld, Pascal, Calvin, Bossuet. Classical Tragedy: Critical study of the works of Corneille, Racine.

Elective for students who have had courses 2 and 3 or their equivalent.

3 periods, through the year.

5. Literature of the XIX Century: The Comedy. Study of the principal authors of the century; works read and discussed; summaries, essays. Reading: Corneille: *Le Cid, Horace, Cinna, Polyeucta, Nicomede*; Racine: *Athalie, Esther, Britanicus, Phèdre, Andromaque.*

Elective for students who have had courses 3 and 4 or their equivalent.

3 periods, through the year.

6. Rapid Reading: The Drama, the Novel, Lyric Poetry. Conversation based upon works read. Topics

will be assigned for reports. French to be used in all reports and discussions in the class.

Elective for students who have had courses 4 and 5 or their equivalent.

3 periods, through the year.

7. Advanced French Prose: Selected passages from English authors translated into French; thorough study of syntax, idioms and synonyms.

Elective, advised for those who intend to teach French.

2 periods, through the year.

N. B.—All classes are conducted in French. Students are expected to speak French in class.

GERMAN.

1. Elementary German: Thomas' German Grammar. Reading of easy narrative prose, as Grimm's *Märchen;* Heyse, *L'Arabbiata;* Gerstäcker, *Germelshausen*; Von Hillern, *Höher als die Kirche;* Riehl, *Der Fluch der Schönheit*; Auerbach, *Brigitta*; Prose Composition. Conversation based upon text. Dictation. Poems memorized.

Offered to Freshman who have presented no German at entrance.

4 periods, through the year.

2. Introduction to the Study of German Classics. Schiller: *Wilhelm Tell; Jungfrau von Orleans; Balladen.* Lessing: *Minna von Barnhelm.* Goethe: *Hermann und Dorothea; Dichtung und Wahrheit.* Lectures upon the texts studied and the lives of the authors are given in German; Constant practice in oral and written abstracts

and discussion of the text. Advanced grammar. Prose Composition, (Wenckebach).

Open to students who have taken course 1. or its equivalent.

4 periods, through the year.

3. German Classics continued. Scheffel: *Der Trompeter von Säkkingen* or *Ekkerhard*. Lessing: *Nathan der Weise*. Schiller: *Wallenstein*. Goethe: *Faust, I*. Critical study of the Faust legend. Lectures. Abstracts. Essays.

Elective for students who have taken courses 1 and 2, and for Sophomores who presented German as second language at entrance.

3 periods, through the year.

4. Course in Modern Novelists and Dramatists: Rapid reading of selected works from Sudermann, Auerbach, Dahn, Freytag, Hauptmann, Grillparzer, Von Kleist.

Elective for students who have taken courses 1, 2 and 3.

2 periods through the year.

5. Outline of the History of German Literature from the earliest times to the nineteenth century. Text-books used—Kluge's *National Literature*, König's *Deutsche Literatur;* Scherer's *Literature* used for reference. Recitations and lectures are supplemented by rapid reading of passages selected from the authors studied, of which written or oral abstracts are required and class discussion. Among texts read and discussed are selections from *Das Niebelungen Lied*, *Parzifal*, *Gudrun*, and the works of Hans Sachs, Luther, Klopstock, Wieland, Lessing, Goethe, Schiller.

Elective for students who have taken at least courses 1, 2 and 3.

3 periods, through the year.

6. **German Literature of the Nineteenth Century.** (Continuation of course 5).

Same text-books used. Supplementary reading of the best modern novelists, dramatists, historians, poets.

Elective.

Courses 5 and 6 may be abridged and taken in one year when considered practicable.

2 periods, through the year.

7. **Advanced German Prose:**

Selected passages from English authors translated into German.

Careful study of syntax, idioms and synonyms.

Two divisions formed according to the advancement of the students.

Elective; specially recommended to all who expect to teach German.

1 period, through the year.

N. B. German is, as far as practicable, the language of the class room.

MATHEMATICS.

1. *a.* **Solid and Spherical Geometry.** (Byerly-Chauvenet).

The exercises in Geometry include recitations from the text book, original demonstrations of propositions and application of principles to numerical examples.

b. **Higher Algebra.**

Subjects as treated in Wells' *College Algebra*, chapters XXX. to XLII.

c. **Plane Trigonometry.** (Wells).

Required of Freshmen.

4 periods, through the year.

2. Plane Analytic Geometry. (Bowser).

The work consists of investigations of the properties of the right line, the circle and the conic sections. Numerous problems requiring original thought are given.

Elective.

3 periods, one semester.

3. Differential Calculus.

Elective.

3 periods, first semester.

4. Integral Calculus.

Elective.

3 periods, second semester.

ASTRONOMY.

General Astronomy.

The work is an elementary treatment of the facts and principles of Astronomy.

The text book used is Young's *Elements of Astronomy.*

Elective, open to all students who have taken the required mathematics of the Freshman year.

4 periods, one semester.

CHEMISTRY.

1. General Inorganic Chemistry. 4 periods a week. Laboratory work, 4 hours a week.

This course does not presuppose a knowledge of Chemistry. It consists of lectures and recitations on the history, occurrence, preparation, and properties of the more important non-metallic and metallic elements. Class room work is supplemented by work in laboratory, where each student prepares and transforms the chief substances studied. The text books used are Remsen's *Inorganic Chemistry* and Keiser's *Laboratory Manual.*

4 periods, first semester.

2. Qualitative Analysis. 3 periods a week. Laboratory work, 4 hours a week.

This course consists of lectures, reviews and laboratory work, in Qualitative Analysis. Constant practice in identifying unknown substances is given to each student. The text book used is A. A. Noye's *Qualitative Analysis.*

3 periods, second semester.

3. Lectures on Chemical Theory. It is designed to give in this course a brief introduction to the study of Physical Chemistry.

1 period, second semester.

Courses 1, 2 and 3 (or courses 1 and 2 in Biology) are required of Sophomores.

4. Organic Chemistry. 3 periods a week. Laboratory work, 2 hours a week.

Typical organic compounds, their relations and transformations, are studied. In the class room the work is pursued by a combination of the lecture and recitation systems. In laboratory the more simple organic compounds are first studied, and the synthesis of more complex substances from these is then taken up. In every preparation attention is given to quantitative results.

3 periods, through the year.

4. Quantitative Analysis. 2 periods a week. Laboratory work, 2 hours a week.

Lectures and laboratory work in gravimetric and volumetric methods.

2 periods, through the year.

BIOLOGY.

1. Comparative Anatomy of Vertebrates. 4 periods a week. Laboratory work, 4 hours a week.

COURSE *a.* Lectures are given on the skeleton, muscles, digestive, respiratory, nervous and urinogenital

systems of the fish, frog, turtle, pigeon and rabbit as types of vertebrates. In laboratory these forms are carefully dissected, their skeletons are mounted, and correct drawings of different organs are made.

COURSE *b*. Six weeks' study of the embryology of the frog and chick supplements Course *a*. The work is conducted by lectures and charts and by laboratory work. Each student is given an opportunity to make a collection of sections of embryos at various stages of development.

The text-books followed in courses *a* and *b* are Parker and Haswell's *Text-book of Zoology*, Morgan's *Embryology of the Frog*, and Foster and Balfour's *Elements of Embryology*.

4 periods, first semester.

2. Systematic Invertebrate Zoology, 4 periods a week. Laboratory work, 4 hours a week.

This course consists of a comparative study of the amœba and other protozoa; of typical members of the following sub-kingdoms: Coelenterata, Platyhelminthes, Nemathelminthes, Trochelminthes, Echinodermata, Annulata, Arthropoda; and of the forms Ascidian and Amphioxus. The text-books followed are Parker and Haswell's *Text-book of Zoology* and Hyatt's *Insects*.

4 periods, second semester.

N. B. Courses 1 and 2 (or courses 1, 2 and 3 in Chemistry) are required of Sophomores.

HISTORY.

1. The Mediaeval Period: An outline study of the history of Europe from the first century to the feudal age. The object of the course is to give a general survey of the political, social and ecclesiastical history of Europe from Augustus to Charlemagne. Particular attention is paid to the causes of the fall of Rome, to the

Barbarians and to the development of the Church. The work of the department is conducted by means of text-books, such as Duruy's *Middle Ages*, Emerton's *Introduction to the Middle Ages*, Andrew's *Institutes*, etc.; also topical outlines, maps, essays and lectures. Independent library work is required.

Required of Sophomores.

3 periods, first semester.

2. The Mediaeval Period, (continued): An outline study of the history of Europe from the Feudal Age to the Renaissance. In this course particular attention is given to the dominating influence of the Church; to Feudalism; to the formation of the European states; to the Holy Roman Empire and to the Crusades. The work is conducted as in the first semester.

Required of Sophomores.

3 periods, second semester.

3 The Modern Period: A study of the history of Europe from the beginning of the Renaissance to the Treaty of Westphalia, 1648. This course is a special study of the political and religious history of Europe during the Reformation, by means of biographies, topical outlines and lectures.

Elective, open to those who have completed courses 1 and 2.

3 periods, first semester.

4. The Modern Period, (continued): A history of Europe from the close of the Thirty Years War to our own times. Special attention is given to the rise of Prussia; to the French Revolution and the Napoleonic wars.

Elective, open to those who have completed courses 1, 2 and 3.

3 periods, second semester.

5. **English History:** The work of this course is an outline of general English History from the earliest times to the reign of Edward I. Texts, Gardiner's *Students' History*, Green's *History of the English People.* Maps, essays and independent library work are required.

Elective, recommended to Sophomores wishing to specialize in English Literature, but may be elected by any student.

2 or 3 periods, first semester.

6. **English History:** This course is a continuation of course 5, from the reign of Edward I. to the present time.

Elective, open to those who have completed course 5.

2 or 3 periods, second semester.

7. **French History:** This is a course in general French History from earliest times and through the reign of Louis XIV. The work is conducted by means of text books, topical outlines, maps, essays and library work.

Elective, open to all students.

2 periods, first semester.

8. **French History:** This is a continuation of course 7, from the reign of Louis XIV to the present time.

Elective, open to those who have completed course 7.

2 periods, second semester.

9. **English Constitutional History:** This course embraces the Constitutional and Political History of England from the English migration to Britain to the reign of Edward I. The student's work is based on Stubb's *History of the English Constitution*, and involves the preparation of papers on assigned subjects.

Elective, open to Seniors who have had courses 5 and 6.

2 periods, first semester.

10. English Constitutional History: This course is a continuation of Course 9, and covers the Constitutional and Political History of England to recent times.

Elective, open to Seniors who have had courses 5, 6 and 9.

2 periods, second semester.

11. American Colonial History: This course is devoted to the study of the English Colonies in North America from their settlement until the establishment of the present Constitution of the United States.

Elective, open to those who have completed courses 5 and 6.

2 periods, first semester.

12. Political and Constitutional History of the United States: This course treats of the development of political parties, the legislative fight over slavery and the history since the inauguration of President Lincoln.

Elective, open to those who have completed courses 5, 6 and 11.

2 periods, second semester.

13. Private Life and Political Antiquities of the Greeks: This course treats of the environment of the ancient Greek life, its usages and occupations, its ideas and institutions. Based upon Duruy's *Greek History*, Guhl and Koner's *Private Life of the Greeks and Romans.*

Elective, open to Juniors and Seniors.

2 periods, first semester.

14. Private Life and Political Antiquities of the Romans: This course is a continuation of course 13, and has the same treatment. The work is based upon Bury's *Roman Empire*, Duruy's *Roman History*, Gibbon's *Rise and Fall of the Roman Empire.*

Elective, open to Juniors and Seniors who have completed course 13.

2 periods, second semester.

HISTORY OF ART.

1. **History of Architecture:** This is an outline study of Egyptian, Asiatic and Greek Architecture, based upon Hamlin's *History of Architecture*, the study of photographs and collateral reading. Each student is required to make an illustrated note-book requiring original research.

Elective, open to all students.
2 periods, first semester.

2. **History of Architecture:** This course is a continuation of the work of the first semester and is conducted in the same manner. The subjects considered are Early Christian, Byzantine, Romanesque and Gothic Architecture.

Elective, open to those who have had course 1.
2 periods, second semester.

3. **History of Sculpture:** This course provides for an outline study of Egyptian, Assyrian and Greek Sculpture, special attention being given to Greek Sculpture in the Fourth and Fifth Centuries B. C. The method of study is the same as in Architecture.

Elective, open to those who have had courses 1 and 2.
2 periods, first semester.

4. **History of Sculpture:** This course is a continuation of course 3, and takes up the study of Graeco-Roman, Early Christian, Renaissance and Modern Art.

Elective, open to those who have had courses 1, 2 and 3.
2 periods, second semester.

5. **History of Painting:** This course is an outline study of the Antique and Early Christian period of painting. The method of study is the same as in History of Architecture and Sculpture.

Elective, open to Juniors and Seniors.
2 periods, first semester.

6. History of Painting: This course is a continuation of course 5, and provides for an outline study of the Italian Renaissance and Modern Painting.

Elective, open to those who have had course 5.

2 periods, second semester.

PHILOSOPHY.

1. Psychology. The aim in this course is to give the student a knowledge of the laws and the phenomena of the mind, as well as to cultivate the power of thought. Text-book, James's *Psychology, Briefer Course.* References: Wundt, Külpe, Titchener, Ladd and others.

Required of Juniors.

3 periods, first semester.

2. Logic. In this course effort is made to give the student a thorough knowledge of Logic as a science, and of the application of the Syllogism to the forms of deductive reasoning. Text-book, Creighton's *Introductory Logic.*

Required of Juniors.

2 periods, second semester.

3. Ethics. Mackenzie's *Manual of Ethics* is the text-book used in this course, but the students are referred to other works in order that they may be made acquainted with the leading systems of Ethics, and may also get a clear conception of the basis of obligation and the fundamental principles of morality.

Required of Seniors.

3 periods, first semester.

4. History of Philosophy. An introductory outline of Greek philosophy is followed by a study of the development of modern philosophy. The work of the course will

include constant reference to the standard histories of philosophy.

Elective, open to all who have taken the required work in Psychology.

2 periods, second semester.

5. History of Philosophy. The subject of this course will be selected from year to year. Some philosophical movement or single work, such as Kant's *Critique of Pure Reason*, will be carefully and critically studied.

Elective, open to those who have taken course 4.

2 periods, first semester.

6. Christian Evidences. In this course the aim is to give a complete outline of the grounds upon which the Christian system rests, in order that the student may be made acquainted with the arguments for Theistic and Christian belief.

Elective, open to Seniors, Juniors and Sophomores.

2 periods, first semester.

POLITICAL SCIENCE.

(*a*) Political Economy.

1. Elements of Political Economy. General introductory course. Recitations and discussions on the basis of Bullock's *Introduction to the Study of Economics*.

Elective, open to Seniors and Juniors.

2 periods, first semester.

2. Advanced Economics. This course comprises a brief historical view of the subject, and critical studies of the theories of value and wages.

Elective, open to those who have taken course 1.

2 periods, second semester.

(*b*) Social Science.

1. Elementary Social Science. An introductory course upon the nature and methods of Social Science,

and upon certain social problems, such as those connected with the family, with race and immigration, and with the dependent classes.

Elective, open to Seniors and Juniors.

2 periods, second semester.

BIBLE.

1. **Studies in Hebrew Poetry and Wisdom Literature.** This course combines the study of the poetic books as literature with the consideration of their moral and spiritual lessons.

Required of Freshmen.

1 period, through the year.

2. **The Hebrew Prophets.** A careful study will be made of the historical setting of the books, the character of each prophet and his message to the people.

Required of Sophomores.

1 period, through the year.

3. **Historical Study of the Life of Christ.**

Required of Juniors.

1 period, through the year.

4. **The Establishment of the Christian Church.**

a. The Acts.

b. The Apostolic Letters.

Required of Seniors.

1 period, through the year.

5. **Historical Geography of the Holy Land.**

Elective, open to Juniors and Seniors.

1 period, first semester.

6. **Modern Discoveries in Bible Lands.**

Elective, open to Juniors and Seniors.

1 period, second semester,

EQUIPMENT.

Libraries. The College Library, housed in Berry Hall, contains about two thousand volumes. Students have access to its shelves from 8:15 A. M. to 9:30 P. M. daily. A complete classification is begun, which will make the collection of the utmost service. It is the purpose of the officers of the college to collect and maintain a working library for every department of instruction; a thorough reorganization is augmenting the working value of the books already on our shelves. During the year thirty-five titles of standard works have been added in the class of philosophy, and one hundred and sixty in that of literature. The departments of Biblical literature, history of art, English literature, history, and psychology, are provided with the books in constant use, while those needed for occasional or special reference are easily accessible in the neighboring public library. The department of History of Art is further equipped with about four hundred mounted photographs for comparison and special study.

The Carnegie Public Library—distant ten minutes by direct trolley line from the College buildings—is, by courtesy of its directors, free to all resident students, and non-residents may, on the payment of a nominal fee, take out books from the circulating department. Valuable and recent collections for the study of Shakspeare, modern literature, history, art, architecture, sociology, and political science, are accessible to the students of the College, many of the standard works being either upon open shelves or on the lists of circulating works.

Thus, students of the College have ready access to collections aggregating 127,000 volumes.

The College subscribes for fifty periodicals.

Laboratories. The Science department is located on the third floor of Dilworth Hall and is provided with a lecture room and chemical and biological laboratories. The laboratories have been recently remodelled and are fully equipped with modern apparatus. The chemical laboratory has in connection with it a stockroom, situated on the first floor of Dilworth Hall, where glassware and other apparatus may be purchased by the student. The laboratory equipment in Chemistry and Biology is supplemented by a very good collection of minerals and a collection of preserved and mounted zoological specimens.

An observatory with Brashear reflecting telescope of 4½ in. aperture, equatorially mounted, and necessary charts and models are provided for students in astronomy.

COLLEGE STUDENTS.

Seniors.

Bruce, Mary,	Allegheny.
Kim, Carrie Emma,	Pittsburgh.
Moore, Rosetta Anne,	"
Sands, Helen May,	"
Taylor, Maud,	"

Juniors.

Bartholomew, Irene,	Pittsburgh.
Blair, Mary,	"
Braun, Elsie,	"
Dickey, Helen Barlow,	"
Houston, Annie McCutcheon,	"
Kingsbury, Grace Addison,	"
Littell, Clara Mary,	"
Montgomery, Annie,	"
McClelland, Margaret Marshall,	"
McKinney, Margaret E.,	Fairmount, West Va.
Sherrard, Helen Ewing,	Wilkinsburg.

Shrom, Mary A.,	Pittsburgh.
Stanton, Edith Nicholson,	"
Van Wagener, Elizabeth M,	"

Sophomores.

Duff, Harriet Templeton,	Pittsburgh.
Fitzgibbon, Eleanor,	Carnegie.
Hunter, Anna Rogers,	Pittsburgh.
Johnstin, Ruth Frances,	London, Ohio.
McSherry, Jennie Emma,	Pittsburgh.
Petty, Anna Myra,	"
Pfeil, Sarah,	"
Sadler, Hilda Ridley,	"
Willson, Mary Grier,	Allegheny.

Freshmen.

Blair, Nancy Brown,	Pittsburgh.
Eggers, Rebekah,	Allegheny.
Fulton, Laura Deborah,	Kenton, Ohio.
Gray, Jessie Callam,	Pittsburgh.
Milliken, Marie Hammond,	"
McKee, Edna Garfield,	Allegheny.
Nevin, Olive Adair,	Pittsburgh.

Special Students.

Arundel, Helen,	Pittsburgh.
Holliday, Edna,	"
Westinghouse, Catherine,	Edgewood Park.

Recapitulation.

Seniors,	5
Juniors,	14
Sophomores,	9
Freshmen,	7
Specials,	3
Total,	38

COLLEGE PREPARATORY DEPARTMENT.

In addition to the College Course proper, the College offers a course for students who desire preparation for College. This course consists of a preliminary year, and four years of specific College preparatory work.

Girls not less than twelve years of age who have passed successfully for the eighth year of the public schools ordinarily will be admitted to the preliminary year, (called Grammar Grade) without examinations. Others may, at the discretion of the Faculty, be subjected to examination in Reading, Spelling, Arithmetic as far as Percentage, Geography and English Grammar (including the parts of speech and parsing of simple sentences.)

Girls who have passed for admission to the high schools of Pittsburgh and Allegheny, or other high schools maintaining an equal standing, will be admitted without examination to the first preparatory year, provided they present satisfactory certificates to that effect. All others may be subjected to examination at the discretion of the Faculty.

The scheme of studies in the Grammar Grade and the College Preparatory Department will be found on the two following pages.

GRAMMAR COURSE.

Mathematics.	English.	Elocution, etc.	History.	Geography.	Bible.	Total Number of Class Periods per Week.
Arithmetic, beginning with Percentage. Arithmetic Completed. 5 hrs.	Grammar Completed. 5 hrs.	Reading, Spelling, } 2 hrs. Writing. 2 hrs.	American History 4 hrs.	Geography. 2 hrs.	Bible. 1 hr.	21

COLLEGE PREPARATORY COURSE.

Year.	Mathematics.	Latin.	Second Language.	Third Language.	English.	History.	Bible.	Additional Subjects.	Total Number of Class Periods per Week.
First Year.	Algebra. 5 hrs.	Latin Lessons. 5 hrs.			Composition Rhetoric, Literature. 4 hrs.	English History. 3 hrs.	Course 1. 1 hr.	Mythology. 1 hr. Drawing. 1 hr.	20
Second Year.	Algebra. 5 hrs.	Eutropius Nepos, Cæsar, Gellius, 5 hrs.	Greek, French, or German, 5 hrs.		Composition Rhetoric, Literature. 4 hrs.		Course 2. 1 hr.		20
Third Year.	Plane Geometry. 4 hrs.	Cicero. 5 hrs.	Greek, French, or German. 5 hrs.		Composition Literature. 2 hrs.	General History. 3 hrs.	Courses 3, 4. 1 hr.		20
Fourth Year.	Review Mathematics. 2 hrs.	Vergil. 4 hrs.	Greek, French, or German. 4 hrs.	Greek, * French, or German. 4 hrs.	Composition Literature. 3 hrs.		Courses 5, 6. 1 hr.	Physiology. 1 hr.	16

* Physics may be substituted for the third language.

COURSES OF INSTRUCTION.

LATIN.

I. The Roman method of pronunciation is used. All quantities are observed from the first, both in pronouncing and writing. Correct and expressive reading of Latin aloud is practiced, with constant attention to quantity.

II. Special attention is given to synonyms and derivative endings as an aid to facility in reading at sight.

III. Exercises in Latin Prose Composition are of three grades: (*a*) prepared beforehand and brought to class in writing (*Latine Scribenda*); (*b*) prepared beforehand and recited orally (*Latine Dicenda*); (*c*) written or recited in class without previous preparation.

IV. A thorough preparation in English Grammar is considered necessary to obtain the best results in the study of Latin. All students must take a preliminary examination in English Grammar to test their readiness in this respect. Poetry will not be accepted as a substitute for prose reading.

1. Beginning Work. Tuell and Fowler, *First Book in Latin*.

Required in first year.
5 periods, through the year.

2. First Latin Readings (Arrowsmith and Whicher). Eutropius, Nepos, Cæsar, and Aulus Gellius. Careful study of construction. Practice in sight-reading. Geography of Roman world. Prose work in Collar's *Practical Latin Composition*, part III., to bottom p. 107. Allen and Greenough's *Latin Grammar* is used, and during this year Tuell and Fowler's *First Baok in Latin* is reviewed.

N. B. For prose based on Cæsar, *De Bello Gallico*, may be substituted prose based on Nepos, *Themistocles.*

Required in second year.
5 periods, through the year.

3. Cicero, (Allen and Greenough), seven orations. Continued attention to construction, to Roman Constitution, to argument and style of the orations. Practice in sight-reading. Collar, *Practical Latin Composition*, p. 108 through Part IV. General review of Latin Grammar.

Required in third year.
5 periods, through the year.

4. Virgil, (Greenough and Kittredge), *Aeneid*, six books, with prosody. Practice in sight-reading. Since the pupil is presumed by this time to be well-grounded in construction, this course is studied from a literary standpoint. Style, figures, descriptions and mythology are studied, and photographs of celebrated works of art are used to illustrate the poem.

Required in fourth year.
4 periods, through the year.

GREEK.

1 First Greek Book, (White). Xenophon's *Anabasis*, (Goodwin and White.) Prose Composition, (Harper and Castle.)

5 periods, through the year.

2. Xenophon: *Anabasis*, continued through Book IV. Prose Composition continued. Reading at sight and systematic study of Greek, Grammar (Goodwin).

5 periods, through the year.

3. Homer: *Iliad* (Seymour), 4 books. *Stories from Herodotus* (Keep). Study of Greek Grammar continued, with particular attention to the irregular verbs of Attic prose.

4 periods, through the year.

ENGLISH.

See College Entrance Requirements in English, (pp. 18–21).

FRENCH.

1. Chardenal: *Complete Course*, eighty lessons. Study of the regular and of the commoner irregular verbs; Easy translation of English into French. Halèvy: *L'Abbé Constantin.*

5 periods, through the year.

2. Chardenal: *Complete Course.* Study of irregular verbs: Daudet: *Trois Contes Choisis;* Lamartine: *Graziella;* Ducoudray: *Histoire de France.*

5 periods, through the year.

3. Whitney: *Practical French Grammar;* Syntax. Blouet: *Primer of French Composition;* La Fontaine: *Select Fables;* Marmir: *Le Protègé de Marie Antoinette*; Michelet: *La Prise de la Bastille;* Belfoud: *La France Litéraire au XIX. Siècle.* Dictation.

4 periods, through the year.

GERMAN.

1. Joynes and Meissner: *German Grammar*, Part I. Guerber: *Märchen and Erzählungen*; Heyse: *L'Arrabiata;* Gerstäcker: *Germelshausen.* Easy translations from English into German. Poems memorized. Conversation. Dictation.

5 periods, through the year.

2. Joynes and Meissner: *Grammar*, completed. Storm: *Immensee;* Frommel: *Eingeschneit;* Von Hillern: *Höher als die Kirche;* Riehl: *Der Fluch der Schönheit;* Benedix: *Die Hochzeitsreise;* Schiller: *Wilhelm Tell.* Prose composition based upon text. Poems memorized. Abstracts. Dictation.

5 periods, through the year.

3. Grammar Reviewed. Harris: *German Prose Composition.* Baumbach: *Der Schwiegersohn*; Heine: *Die Harzreise;* Schiller: *Die Jungfrau von Orleans;* Lessing: *Minna von Barnhelm;* Goethe: *Hermann und Dorothea.* Abstracts. Lectures. Poems.

4 periods, through the year.

MATHEMATICS.

1. Algebra. The student must have had a course in arithmetic equivalent to that given in the best grammar schools. The work for the first year will be elementary algebraic equations, the fundamental operations, factoring, fractions, equations of the first degree with one or several unknown quantities, powers and roots and inequalities.

Required in first year.

5 periods, through the year.

2. Algebra. Theory of exponents and radicals, quadratic equations, simultaneous equations of the second and higher degrees. Theory of quadratics, ratio and proportion, the progressions and binomial theorem for positive and negative exponents. In connection with this work there will be a review of the Metric System.

Required in second year.

5 periods, through the year.

3. Plane Geometry. Much time will be spent in solving original exercises, numerical problems and examples of loci.

Required in third year.

4 periods, through the year.

4. Review of Algebra after Plane Geometry is completed.

Required in fourth year.

2 periods, through the year.

PHYSICS.

1. A preliminary survey of the general properties of matter, followed by a more careful study of the general principles of Mechanics and Hydrostatics. This course is *supplemented by the use of many and varied numerical problems*, and requires a knowledge of Algebra and Plane Geometry.

Required in fourth year.
4 periods, first semester.

2. Heat, Light, Sound and Electricity.

Required in fourth year.
4 periods, second semester.

Both courses include a series of laboratory exercises selected from the list of those recommended by the Uniform College Entrance Examination Board of the Middle States and Maryland. The College preparatory school is thoroughly equipped with the Physical apparatus necessary for this course of study.

ANATOMY, PHYSIOLOGY AND HYGIENE.

1. This course is conducted by lectures. Its purpose is to instil intelligent ideas of sanitary conditions, based upon practical knowledge of plumbing, drainage and ventilation. Hints will be given in regard to the protection of health at home and abroad, particularly in the matter of observing the laws of quarantine, personal, municipal, and maritime. Laboratory methods are employed, and, where possible, tests are made of the purity of water, milk, and food. A manikin; models of the eye, ear, brain, throat and other organs; a skeleton, and an abundance of charts facilitate clear demonstrations of the matter treated in the lectures. The department is in charge of a graduated physician.

Required in fourth year.
1 period, through the year.

HISTORY.

1. **English History,** (Montgomery), with maps, compositions and biographical sketches.

Required in first year.

3 periods, through the year.

2. **Mythology.**

Required in the first year.

1 period, through the year.

3. **General History,** (Myers), including the Ancient East, Greece and Rome to 476 A.D., with maps, compositions, questions for research and biographical sketches.

Required in third year.

3 periods, through the year.

BIBLE.

1. **Studies in the Book of Genesis.**

Scripture selections are memorized in connection with these lessons.

Required in first year.

1 period, through the year.

2. **The Beginning of Hebrew History.**

This course carries forward the history of the Children of Israel from the Exodus to the settlement in Canaan.

Required in second year.

1 period, through the year.

3. **The Period of the Judges.**

Required in third year.

1 Period, first semester.

4. **The United Kingdom.**

Required in third year.

1 period, second semester.

5. The Divided Kingdom.

Required in fourth year.

1 period, first semester.

6. The Captivity and Restoration.

Required in fourth year.

1 period, second semester.

PHYSICAL TRAINING.

Systematic training in the gymnasium is required of all resident students unless excused for physical reasons. Class instruction to day students is optional and is given without extra charge. All the exercises are carefully graded and adapted to the special needs of young women, and are necessary for good health and muscular development. Each student is examined by the director with reference to physical development before being admitted to classes, and further examinations are made during the year.

The gymnasium is a large, well ventilated building, equipped with chest weights, rowing machines, balance swing and other apparatus.

The exercises embrace the Swedish system of gymnastics, Delsarte exercises, fancy steps, marching, exercises with dumb bells, wands, Indian clubs, rings and bounding balls.

Indoor basket ball is played by organized teams. The regulation gymnasium shoes and suit prescribed by the director must be worn by all admitted to the gymnasium.

Outdoor exercise is also greatly encouraged by the director. Golf has been established the past year, a nine hole links having been laid out. Two excellent tennis courts add to the opportunities for outdoor sports.

ELOCUTION.

Private instruction is given in Elocution, including breathing, tone placing, development and control of voice, emphasis, rhythm and exercises to acquire a clear, distinct articulation.

Studies in dialect, pathetic, humorous and dramatic recitations, and selected scenes from Shakespeare are included in advanced work.

GENERAL INSTRUCTIONS.

Any student desiring to pursue the study of Music and Art in connection with the Preparatory Course should allow one year longer for its completion.

Students may be admitted to the College Preparatory Department for fewer than the required number of hours per week, but Latin or Mathematics must be selected among the subjects. French and German will not be assigned until after one year's work in Latin.

Certificates will be granted to all who satisfactorily complete the course as given in the College Preparatory Department, and these certificates will pass students without conditions into the Freshman Class.

The session for recitations is from a quarter of nine in the morning until two o'clock in the afternoon, with thirty minutes for luncheon, and every student in the Preparatory Course is expected to remain through the session.

Day students who desire it, may have their luncheons with the resident students at a small charge.

Students of the Grammar Grade ordinarily are dismissed before luncheon.

PREPARATORY STUDENTS.

Fourth Year.

Carpenter, Elizabeth Roe,	Wilkinsburg.
Fitzgibbon, Frances,	Carnegie.
Gillespie, Mary Hanna,	Pittsburgh.
*Kerr, Grace M.,	Burgettstown.
*Kerr, Harriett Bowen,	Edgewood Park.
Martin, Ruth,	Pittsburgh.
Moore, Helen,	Edgewood Park.
McCague, Eliza Jane,	Pittsburgh.
McCague, Mary Katharine,	"
*McClelland, Mary Beacom,	"
McKee, Katherine C.,	"
*Pflaum, Rachel W.,	Edgewood Park.
Schwerd, Elizabeth,	Allegheny.
Smith, Gretta D.,	Hartford City, Ind.
Treat, Grace Diana,	Pittsburgh.
Young, Lida B.,	"

Third Year.

Baggaley, Anabel Whitney,	Pittsburgh.
Bole, Alice Amelia,	"
Brown, Nelle Wood,	Braddock.
Bruce, Jessie,	Allegheny.
Chislett, Rebecca T.,	Pittsburgh.
Flaccus, Alice Caroline,	Ben Avon.
*Gillespie, Eleanor Dunlap,	Pittsburgh.
Gray, Edith,	"
*Jolly, Marion Delena,	Carrick.
*Kirker, Josephine,	Pittsburgh.
Knox, Juliet Helen,	Ben Avon.
Krebs, Margaret Dorothy,	Pittsburgh.
Mercer, Mary Moore,	Allegheny.
Miller, Catharine Robbins,	Pittsburgh.
Munro, Alice,	"
Mustin, Eleanor,	"
McClintock, Elsie Thompson,	"
McClintock, Jeannette Lowrie,	"
McGinness, Lillie,	"
McKee, Ellen Blanche,	Wilkinsburg.

* One condition.

*McLean, Wilma,	Pittsburgh.
McNitt, Willa Mayes,	Patterson.
Newton, Mame La Moure,	Pittsburgh.
Shrom, Laura,	"
Spencer, Adeline Jones,	"
*Stuart, Ruth,	"
*Torrence, Alice Carroll,	"
Woods, Helen Mar,	"
Wylie, Clara Isabel,	Wilkinsburg.
Zeigler, Elizabeth,	Mercer.

Second Year.

Aiken, Harriette Carpenter,	Pittsburgh.
Armstrong, Mary,	"
Connor, Lillian M.,	"
*Davis, Mary Bell,	Carnegie.
Demmler, Gertrude Olga,	Allegheny.
*Donaldson, Elizabeth,	Wilkinsburg.
Durflinger, Lillian,	London, Ohio.
Garber, Emma J.,	Pittsburgh.
*Gildenfenny, Virginia,	Sharpsburg.
Goeddel, Margaret Louise,	Pittsburgh.
Gorham, Florence Ione,	"
Gray, Margaret Eleanor,	"
Greene, Agnes Hamilton,	"
Hartman, Edna Norime,	Allegheny.
Hill, Jean McClure,	Pittsburgh.
*Husband, Irene,	Mt. Pleasant.
*Jenny, Gertrude,	Pittsburgh.
*Johnson, Jessie DePuy,	"
*Jones, Lois May,	"
Kappel, Marguerite,	Edgewood Park.
Kennedy, Anna,	Uniontown.
*Kohne, Luvia,	Pittsburgh.
Leatherman, Marian,	"
Marshall, Alma,	East Liverpool, Ohio.
*Moorehouse, Elizabeth,	Ingram.
Morrison, Maude Leontine,	Pittsburgh.
*Munroe, Olive Dodds,	Allegheny.

* One condition.

McClelland, Rachel Pears,	Pittsburgh.
McClelland, Sarah Collins,	"
*McLean, Jean,	"
*Newmyer, Mary A.,	Dawson.
O'Donnel, Ruth Leigh,	Pittsburgh.
Parker, Edith Harman,	"
Patterson, Helen.	"
*Rankin, Mary Beatty,	Akron, Ohio.
Rea, Marjory,	Pittsburgh.
Roberts, Margaret C.,	"
*Robinsteen, Lois Nuttal,	"
*Shoemaker, Dorothy,	"
*Smith, Vera Miles,	"
*Stanton, Anna Brewster,	"
Tassey, Emily Evans,	McKeesport,
Trauerman, Elsie Weil,	Allegheny.
*Wheeler, Anna Winifred,	Edgewood Park.
Wylie, Anna M.,	Wilkinsburg.
Wylie, Bessie Marie,	"

First Year.

Aiken, Mildred Lewis,	Pittsburgh.
Aiken, Marion Louise,	"
Ammon, Arma Lucile,	Wilkinsburg.
Barrett, Elizabeth Christine,	Bellvue.
Bennett, Sara Estelle,	Pittsburgh.
Bissell, Bessie Mercer,	"
Bliss, Bessie Margaret,	"
Braznell, Lorna Beth,	Wilkinsburg.
Brown, Eva Anna,	Pittsburgh.
Brown, Katharine McCormick,	"
Brown, Marjory,	"
Bryce, Janet,	"
Cadwallader, Elsie May,	"
Capel, Emilie Eliza,	"
Diehl, Virginia,	"
Edwards, Mary W.,	Braddock.
Flaccus, Adelaide Eugenie,	Wheeling, W. Va.
Flynn, Anita Margaret,	Pittsburgh.
Geyer, Edna,	Allegheny.
Gilleland, Katharine Louise,	Wilkinsburg.

* One condition.

Hays, Margaret,	Pittsburgh.
Hamilton, Mary Davison,	"
Hargrave, Myrtle Maria,	"
Harmont, Janet,	"
Jones, Edna Bell,	"
Kaufman, Helen S.,	"
Keil, Helen M.,	"
Kendall, Clara Marguerite,	"
Kerr, Marion,	"
King, Jennie B.,	"
Kirk, Marion Jean,	Sharpsburg.
Kohne, Adda,	Pittsburgh.
Lappe, Emma Caroline,	"
Leatherman, Jeannette,	"
Leighton, Leone,	Braddock.
Linderman, Grace Esther.	Pittsburgh.
Marshall, Nancy Gibson,	"
Milliken, Margaret Riddle,	"
Moreland, Florence Gertrude,	"
Morrison, Lillie E.,	"
Muder, Duska,	Saxonburg.
Mueller, Marie Elizabeth,	Pittsburgh.
Mugele, Rena,	"
†McClelland, Elizabeth,	Allegheny,
McCracken, Mary Elizabeth,	Pittsburgh.
McDonald, Helen Lucille,	Woodlawn.
McFarlane, Edith,	Pittsburgh.
McGinnis. Nellie Wade,	Wilkinsburgh.
†McLean, Gertrude,	Pittsburgh.
McWilliams, Mary Louise,	"
Normecutt, Aimie Lois,	"
Packer, Mabel Anna,	"
Parker, Josephine,	Parker.
Pearson, Juliette Thalia,	Pittsburgh.
Phipps, Emma Loomis,	"
Reed, Matilda McKennan,	"
Renshaw, Isabella Dalzell,	"
Roberts, Jean Elizabeth,	"
Rodd, Mary Herron,	"
Sands, Margaret,	"

†Deceased.

Shallenberger, Pearl,	Braddock.
Simons, Nellie May,	Pittsburgh.
Slocum, Laura R.	"
Smith, Florence,	Homestead.
Spencer, Kate Acheson,	Pittsburgh.
Stevenson, Helen Virginia,	"
Stewart, Mary Agnes,	Wilmerding.
Thatcher, Bertha M.,	Pittsburgh.
Thomas, Adelaide,	"
Welch, Nellie Adda,	Wilmerding.
Wigley, Grace Ellsmore	Pittsburgh.
Wood, Corbie M.	"
Yoder, Elizabeth,	"

GRAMMAR GRADE.

Aikens, Edith J.,	Edgewood Park.
Askin, Margaret Ethel,	Pittsburgh.
Brown, Jean Alice,	Braddock.
Dickson, Susan E.,	Pittsburgh.
Foster, Annie,	Crafton.
Frank, Bessie Klee,	Allegheny.
Gray, Frances,	Pittburgh.
Hemphill, Elizabeth,	"
Jenkins, Edith Marie,	"
Lyon, Isabel May,	Covanstown, Md.
Marshall, Sara Herron,	Pittsburgh.
Martin, Dorothy,	"
McFeely, Clara,	"
Peabody, Helen Augusta,	"
†Price, Helen Elizabeth	"
Redman, Norma Stevens,	Crafton.
Stone, Margaret,	Harrisburg.

†Deceased.

Special Students.

Beerits, Mary Elizabeth,	Somerset.
Chapman, Hazel,	Bradford.
Cleavenger, Adele Allison,	Pittsburgh.
Diehl, Helen,	"
Doyle, Bessie R.,	"
Frazer, Sara Baker,	"
Johnson, Eva DePuy,	"
Kahle, Edna L.,	"
Kirk, Mary Idesta,	Sharpsburg.
Kifer, Mildred,	Leechburg.
Lappe, Myrtle Miller,	Pittsburgh.
Lyon, Emily Copeland,	"
McComb, M. Myrtle,	Hawthorn.
McCormack, Willanette,	Pittsburgh.
Osborne, Grace Gail,	West Newton.
Parkin, Alice,	New Kensington.
Pershing, Florence Edna,	Pittsburgh.
Poston, Blanche Murdock,	Crawfordsville, Ind.
Shaeffer, Annie,	Pittsburgh.
Skiles, Ethel,	"
Stieren, Helen,	"
Stolzenbach, Stella May,	"
Taylor, Bertha M.,	Irwin.

Recapitulation.

Fourth Year,	16
Third Year,	30
Second Year,	46
First Year,	73
Grammar Grade,	17
Special Students,	23
Total,	205

SCHOOL OF MUSIC.

Course of Study in Piano.

Students completing the full course will receive testimonials of Musical Scholarship after passing a test examination.

First Year.

Instruction in the rudiments of Music and Notation. Formation of the touch, using Plaidy's *Technical Studies* and Weik's *Method.* Simple Scales, Lebert and Stark, Vol. I., and easy pieces by Duvernoy, Heller, Reinecke and Lichner. Sonatines by Clementi and Kuhlau.

Second Year.

Music Tonality and the Grammar of Music.

Technical Course will embrace Plaidy's *Simple Technique*, Scale Studies, Etudes of Czerny, and the *Schule der Technique*, Vol. I.; Lebert and Stark, Vol. II.; Phrasing Studies by Heller, and pieces from Jensen, Heller, Mozart, Mendelssohn, Reinecke, and selections from the *Sonaten Studien*, by Kohler.

Third Year.

Sight reading.

Schule der Technique, finishing Book I, and commencing Book II.

Gradus ad Parnassum, by Clementi, arranged by Karl Tausig, Etudes by Heller, Jensen and Moscheles. Selections from the preludes of Chopin and Heller. Sonatas by Haydn, Beethoven and Schubert.

Pieces from Chopin, Schumann, Mendelssohn, Field, Liszt; and selections from the Alte Meisters, as arranged by Paner and Saint-Saëns.

Harmony: Richer or Allrechtsberger methods.

FOURTH YEAR.

A Normal Year—Technical Course. The *Schule der Technique*, Vol. III. Lebert and Stark, selections from Books III. and IV. *Octave Schule* of Kalluk. Wm. St. Bennett, op. 11. Selections from Bach's works, as arranged by Reinecke. Sonatas and concertos of the Old Masters. Pieces from Chopin, Rubenstein, Liszt, Weber, Schumann, Saint-Saëns, Mendelssohn and Beethoven.

Sixteen pianos are available for practice, and all practice is under the supervision of a competent assistant.

Course of Study in Organ.

Organ tuition as a companion study to the Piano has long been regarded with favor by pedagogues of both the past and present, and it has been decided to add this study to the general curriculum. Its value as tending to eliminate impurities of touch and style in Piano playing has been asserted by no less an authority than Schumann, the opinion having found expression in his well known *Maxims*.

In this department *The Organ*, a theoretical and practical treatise by Frederic Archer, will be used as the text book, followed by selections from the English, French and German Schools.

Arrangements have been made for the use by students of Organ of a good instrument belonging to one of the city churches.

Course of Study in Voice Culture.

Instruction in vocal music consists of half hour private lessons, and class drills in which all voice pupils are expected to take part.

The Italian method of voice building is employed, special attention being given to correct breathing, tone production, phrasing and clear enunciation.

Marchesi's *Art of Singing* is assigned for technical work, in connection with "Vocalizes" by Marchesi, Abt, Concone, Luetgen and other eminent composers, as the advancement of the student justifies.

The course of instruction is designed to establish a repertoire in Church, Concert, Oratorio and Operatic Music, versatility being recognized as of the essence of vocal accomplishment.

A Choral Class meets once a week under the direction of the instructor in vocal music. The class is free to any students desirous of joining, the only obligation being prompt and regular attendance at the rehearsals and concerts which take place during the year.

SCHOOL OF ART.

A large well lighted studio is supplied with the best models and casts.

The course of instruction pursued in this department has for its object systematic training in the practice of art. The pupils do daily work under the immediate supervision of the instructor.

The earlier work is in charcoal from casts and still life, with the object of developing a feeling for form and the laws of light, shade, color and perspective. The use of clay and composition with reference to illustration have been added to the course. More advanced work is done in oil and water-color painting from still life and nature.

Every week a model poses, and the students who are sufficiently advanced sketch from life.

No definite time is fixed for completing the art course, as progress must vary according to individual effort and ability, and advancement is gauged thereby.

The methods employed are the same as those used in the most advanced schools of art, and a thorough knowledge of the fundamental principles of drawing is taught.

During the spring and autumn, classes are formed for outdoor sketching.

A medal is awarded, after two years' study, to the student showing the greatest mastery of the subject, provided the work is up to the required standard.

STUDENTS IN PIANO, VIOLIN, VOICE, ART AND ELOCUTION.

PIANO.

Albert, Bertha M.
Barrett, Elizabeth C.
Beerits, Mary E.
Bell, Bessie,
Bennett, Sara Estelle,
Bole, Alice A.
Brown, Nelle Wood,
Brown, Jean A.,
Brown, Katherine M.,
Chapman, Hazel,
Dickey, Anna,
Donaldson, Mary,
Edwards, Winona,
Eggers, Rebekah,
Fitzgibbon, Eleanor,
Flaccus, Adelaide E.,
Flaccus, Alice C.,
Flynn, Anita M.,
Foster, Anne Elliott,
Frank, Bessie Klee,
Gillespie, Eleanor,
Goeddel, Margaret L.,
Hartman, Edna N.,
Holliday, Edna,
Husband, Irene,
Keil, Helen M.,
Kendall, Marguerite,
Kennedy, Anna,
Kerr, Grace M.,
Kifer, Mildred,
Kirk, Mary Idesta,
Leighton, Leone,
Lyon, Isabel,
Martin, Ruth,
Martin, Dorothy,
Muder, Duska,
Mustin, Eleanor D.,
McClintock, Jeannette,
McCloskey, Mary,
McComb, Myrtle,
Nevin, Olive Adair,
Parkin, Alice,
Phipps, Emma L.,
Poston, Blanche M.,
Rea, Emma,
Robinsteen, Lois W.,
Schooley, May,
Schwerd, Elizabeth,
Shallenberger, Pearl,
Silveus, Pearl A.,
Taylor, Bertha M.,
Thomas, Alice Keller,
Torrence, Alice,
Watt, Anna,
Zeigler, Elizabeth,

VIOLIN.

Fitzgibbon, Frances,

VOICE.

Brown, Jean A.,
Chapman, Hazel,
Hay, Ruth,
Munroe, Olive Dodds,
McSherry, Jennie E.,
Newmyer, Mary A.,
Thomas, Ray,
Yoder, Elizabeth,

ART.

Barrett, Elizabeth C.,
Brown, Eva A.,
Capel, Emelie E.,
Flaccus, Adelaide E.,
Frank, Bessie Klee,
Martin, Dorothy,
McDonald, Helen L.,
Newmyer, Mary A.,
Parker, Edith H.,
Taylor, Bertha M.,
Wigley, Grace E.,

ELOCUTION.

Fitzgibbon, Eleanor,
Fitzgibbon, Frances,
McDonald, Helen L.
Poston, Blanche M.,

GENERAL RECAPITULATION.

College,	38
College Preparatory,	205
Music only,	12
Total,	255

EXPENSES AND TERMS.

Day Students.

	PER YEAR.
Tuition—Collegiate,	$110.00
College Preparatory (including Grammar Grade),	100.00
One Study only,	35.00
Use of Library, Collegiate Students,	2.00

Resident Students.

	PER YEAR
Tuition,	$110.00
Table Board,	150.00
Room rent, including light, heat and furnished room,	$70–140.00
Use of Library,	2.00
Pew rental Presbyterian church,	5.00
Other denominations at church rates.	
Lecture fee, per year,	3.00
Washing plain pieces, per dozen,	.50
Washing dresses, extra.	
Board during Christmas vacation, per week,	7.00
Key to letter box,	1.00

Music Department.

	PER TERM.
Piano—Two ½-hour lessons each week,	$50.00
One ½ " " " "	30.00
Voice—Two ½-hour lessons each week,	50.00
One ½ " " " "	30.00
Use of Piano, three periods, daily practice,	10.00
Harmony—Class of four, one hour per week, each student,	25.00
History of Music—In classes,	10.00
Ensemble Playing and Sight-reading—Class of four, for one period a week, per term, each student,	25.00

Violin, Professor's prices, ...	
Guitar, " "	
Organ—One hour each week, ...	50.00

Art Department.

	PER TERM.
Painting—Oil or Water Color—8 hours per week . .	$35.00
Drawing—Pencil or Crayon—8 hours per week, . .	35.00

Department of Elocution and Physical Culture.

Elocution, private lessons, 2 lessons a week, one term, .	$50.00
Physical Culture, in classes of four, twice a week, one term, each student, ...	25.00
Physical Culture, private lessons, twice a week, one term,	50.00

Extra Charges.

Laboratory fee, per year (biology class), ...	$15.00
" " " (chemistry class), ...	15.00
" " " (physics class), ...	5.00
Luncheon—single, ...	.25
" five tickets, ...	1.00

Instruction in class gymnastics, class elocution and choral music is included in the tuition fee.

Books, stationary, chemical apparatus, and sheet music are furnished at regular prices.

All bills for boarding, tuition and extras are due one-half on first day of the year and the remainder February 1st. The payment must be made before the student may take her place in the class room, unless special arrangement has been made with the President. All checks should be made payable to Henry A. Breed, Treasurer, and sent to Rev. Chalmers Martin, A. M., Pennsylvania College for Women, Pittsburgh, Pa.

It is understood that all arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

As engagements with instructors and other provisions for the education of students are made by the College for the entire year in advance, *no deduction can be made in the charge for tuition for either resident or day students.*

A liberal deduction on charges for tuition and room will be allowed to the daughters of ministers of all denominations and of professional teachers.

No degrees will be conferred unless all bills due to the college by the candidate have been paid.

The telephone being for college business purposes, no student will be called to the telephone, nor will any message be delivered, except in cases of illness or similar urgency.

APPLICATION FOR ROOMS.

All applications will be registered and rooms not engaged by former students will be assigned according to the date of application. The bed rooms are generally arranged for two students, and are comfortably furnished. Single rooms require an additional fee. There are no undesirable bed rooms in the college buildings. Any information concerning the rooms will be given upon application to the Secretary.

A deposit of ten dollars is necessary to secure a room. This amount will be credited on the first payment, or will be refunded if a wish to relinquish the room is made known before August 15.

Each applicant will be furnished with a copy of the Regulations, which must be signed by her and her parent or guardian, and returned with the room deposit.

Resident students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for resident students from *the date at which they had engaged to enter their daughter or ward until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness, when the loss for board and room will be equally shared.*

All unnecessary wear of carpets, furniture, etc., is charged to the students occupying the room.

ROUTES AND CONVEYANCES.

The College is reached from the center of the city by any of the lines of electric cars running out Fifth Ave., which carry passengers to the College entrance, Woodland Road; or by cabs at the stations, which will convey passengers to the door of the College.

Strangers on arriving in the city at Union Depot may obtain all needed information by inquiring of the Excelsior Express and Standard Cab Company, which also delivers baggage at the College. Students entering the city on the Penna. R. R. will find it a convenience to check all baggage to the East Liberty Station.

Expressage.

All express matter to students should be sent *prepaid* by *Adams Express* to *East Liberty Station, Penna.*, otherwise added expressage is charged for conveyance from city office to the College.

SCHOLARSHIPS.

The Helen E. Pelletreau Scholarship.

A fund has been raised by the Alumnæ to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved President of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Mrs. Charles L. Taylor, Irving Place, 5533 Ellsworth Avenue, Pittsburgh.

The Mary Hawes Nevin Scholarship.

To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family have given the sum of $6,000.00 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious of the advantage of a college course.

Scholarships in Biology.

By the generosity of two friends of the College two scholarships in the summer school of Biology carried on by the Marine Biological Laboratory at Wood's Holl, Mass., have been secured for the current year.

THIRTY-SECOND . . .
ANNUAL CATALOGUE.
1901-1902. . . . .

Pennsylvania College for Women.

THIRTY-SECOND

ANNUAL CATALOGUE.

Pennsylvania College for Women.

PITTSBURGH, PA.

1901-1902.

SMITH BROTHERS,

FRANKLIN PRINT, 405 GRANT STREET,

PITTSBURGH.

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CALENDAR FOR 1902.

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CALENDAR.

1901.		
16–17 Sept.	Monday–Tuesday,	Examinations for Admission.
17 Sept.	Tuesday,	First Semester begins—Enrollment.
18 Sept.	Wednesday,	Recitations begin.
28 Nov.	Thursday,	Thanksgiving Day.
20 Dec.	Friday, 12 M.,	Christmas Vacation begins.
1902.		
6 Jan.	Monday, 6 P.M.,	Christmas Vacation ends.
28 Jan.	Tuesday,	Examinations begin.
30 Jan.	Thursday,	Day of Prayer for Colleges.
3 Feb.	Monday,	Second Semester begins.
27 Mar.	Thursday, 12 M.,	Spring Vacation begins.
7 Apr.	Monday, 6 P. M.,	Spring Vacation ends.
May	Saturday,	May Day Fête.
30 May	Friday,	Decoration Day.
5 June	Thursday, 4 P. M.,	Annual Meeting of Trustees.
5 June	Thursday, 8 P. M.,	Annual Concert.
6 June	Friday,	Annual Meeting of the Alumnæ.
7 June	Saturday, 4 P. M.,	Class Day.
8 June	Sunday,	Baccalaureate Sermon.
9 June	Monday,	Commencement.
15–16 Sept.	Monday-Tuesday,	Examinations for Admission.
16 Sept.	Tuesday,	First Semester begins—Enrollment.
17 Sept.	Wednesday,	Recitations begin.
27 Nov.	Thursday,	Thanksgiving Day.
17 Dec.	Friday, 12 M.,	Christmas Vacation begins.
1903.		
5 Jan.	Monday, 6 P. M.,	Christmas Vacation ends.
27 Jan.	Tuesday,	Examinations begin.
Jan.		Day of Prayer for Colleges.
2 Feb.	Monday,	Second Semester begins.
8 June	Monday,	Commencement.

OFFICERS OF THE COLLEGE.

Board of Trustees.

CLASS WHOSE TERM EXPIRES 1902.

Rev. John G. Brown, D. D.,
Lawrence Dilworth,
Charles W. Hubbard,
George Westinghouse, Jr.,
Rev. H. D. Lindsay, D. D.,
Samuel E. Gill,
Rev. Wm. J. Reid, D. D.,
Rev. T. H. Robinson, D. D.,
C. A. Painter,
J. R. Sterrett, Esq.

CLASS WHOSE TERM EXPIRES 1903.

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Mrs. W. S. Miller,
Rev. W. J. Holland, D. D.,
Rev. R. S. Holmes, D. D.,
Rev. J. P. E. Kumler, D. D.,
Oliver McClintock,
S. S. Marvin,
H. J. Murdoch,
Rev. W. P. Shrom, D. D.,
Hon. S. A. McClung.

CLASS WHOSE TERM EXPIRES 1904.

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Rev. E. P. Cowan, D. D.,
William N. Frew, Esq.,
Rev. W. L. McEwan, D. D.,
Rev. R. M. Russell, D. D.,
David McK. Lloyd,
Charles Lockhart,
Robert Pitcairn,
Mrs. E. H. Nevin,
R. E. Stewart, Esq.

Officers of the Board. 1902-1903.

President, - - - - Rev. W. L. McEwan, D. D.,
First Vice President, - - Rev. R. M. Russell, D. D.,
Second Vice President, - S. E. Gill,
Secretary and Treasurer, - Henry A. Breed.

STANDING COMMITTEES.

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S. E. Gill, *Chairman*, D. McK. Lloyd,
Hon. S. A. McClung, Lawrence Dilworth,
J. R. Sterrett, Rev. W. L. McEwan, D. D., *Ex-officio.*

Committee on Faculty and Studies.

Rev. T. H. Robinson, D. D., *Chairman*, R. E. Stewart,
Rev. H. D. Lindsay, D. D., *Secretary*, Robert Pitcairn,
Rev. W. J. Reid, D. D., Rev. W. L. McEwan, D. D., *Ex-officio.*

Committee on Art and Music.

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C. A. Painter.

Committee on Library and Apparatus.

Rev. W. J. Reid, D. D., Rev. W. P. Shrom, D. D.,
W. N. Frew.

Auditing Committee.

Oliver McClintock, R. E. Stewart, Thos. M. Armstrong.

Committee on Advertising.

Rev. E. P. Cowan, D. D., H. J. Murdoch,
Rev. W. L. McEwan, D. D.

FACULTY.

1901-1902.

President,
REV. CHALMERS MARTIN, A. M., D. D.

MARY JANE PIKE,
Professor Emeritus, Greek and Latin.

JANE B. CLARK, A. M.,
Mathematics and Astronomy.

*EMMA M. JEWETT, A. B.,
History and History of Art.

MARY W. BROWNSON,
Bible.

ALICE T. SKILTON, A. B.,
German Language and Literature.

CAROLINE MORRIS GALT, A. B.,
Greek and Latin.

DOROTHY A. HAHN, A. B.,
Chemistry and Biology.

JOSEPHINE P. DEVALLAY,
French Language and Literature.

ELLA A. KNAPP, Ph D.,
English Language and Literature.

ETHEL GORDON MUIR, Ph. D.,
Philosophy and Political Science.

KATE SHEPARD HINES, A. M., (for year 1901-2),
History and History of Art.

*Studying in Europe on leave of absence.

*COLLEGE PREPARATORY SCHOOL.

JANET L. BROWNLEE, *Principal*,
Mathematics.

†ANNA M. HAMILTON, A. B.,
Latin.

ARABELLE MARCH, A. B.,
English.

FRANCIS STUART KING,
Latin.

MARTHA C. DAMPMAN,
English.

ELIZABETH B. ARMSTRONG, A. B.,
History.

‡ELIZABETH A. BEATEY, B. O.,
Elocution and Physical Training.

GEORGETTE DE VALLAY,
French and German.

MARTHA LANG DUFF,
Assistant in Preparatory School.

LAURA CAROLINE GREEN, A. B.,
(for the year 1901-2.)
Latin.

GARNETT E. FULTON, M. E. L.,
In Charge of Grammar Grade.

ELIZABETH B. KRATZ,
Elocution and Physical Training.

*Assistance is also rendered in the instruction of the Preparatory School by Misses Clark, Brownson, Galt and Hahn, of the College Faculty, in Mathematics, Bible, Greek and Physics respectively.

†Studying in Europe on leave of Absence.

‡Resigned.

SCHOOL OF MUSIC.

JOSEPH H. GITTINGS,
Piano.

JOSEPH McINTYRE,
Piano.

EDWARD J. NAPIER,
Voice and Organ.

E. N. BILBIE,
Violin.

MARY JUDSON RIDDILE,
In charge of Practice.

SCHOOL OF ART.

JANE BOSTWICK,
Director.

JANE M. THURMAN, A. M.,
Registrar and Secretary.

MARY F. GOLD,
Matron.

The Pennsylvania College for Women,
Pittsburgh, Pa.

THE PENNSYLVANIA COLLEGE FOR WOMEN was founded in the year 1869. The purpose of its founders was to provide for Pittsburgh, and all the extensive region of which it is the natural center, an institution in which women might receive the higher education under distinctively Christian influences. The better to secure this end the government of the College is vested by its charter in a Board of Trustees of whom two-thirds must be members of some branch of the Presbyterian Church. The study of the Bible has always been emphasized, and is now required through the whole course. All students are required to attend morning prayers, and all resident students are expected to be present at evening prayers and to attend church at least once on Sunday. A Young Women's Christian Association is maintained by the students in conjunction with the faculty, and there are opportunities for voluntary Bible study and various forms of Christian and philanthropic work. But while the College is thus unequivocally Christian, it has never been sectarian either in the management or in its constituency. Students are permitted to attend churches of their own faith as far as practicable.

The College is situated in the East End of Pittsburgh, about four miles from the City Hall and in the center of the choicest residence district which the city contains. It has convenient access by electric cars both to the busi-

ness sections and the parks and suburbs. The campus is a finely shaded tract of eleven acres, embracing a hill crest on which the buildings are situated. The plot owned by the College is part of one many times as large, containing the homes of a few families of wealth. The only entrance to this tract is by a private road, and as there are no fences between the several properties, the College is practically located in a large private park, thus securing abundance of space and air, wide views and opportunities for outdoor sports, combined with a delightful and wholesome privacy not easy to command in a great city. Indeed it is safe to say that few situations combine the advantages of city and country to a degree equal to that of the Pennsylvania College for Women.

The buildings of the College are large and handsome, and well adapted to their purpose. They are so disposed as to receive the sunshine on all sides in the course of the day. Their position on a hill top makes them always dry. They are fitted with the best sanitary plumbing, heated by steam, and lighted with gas. They are three in number, but so connected as practically to be one, so that no exposure to the weather is involved in passing from one to another. Berry Hall is mainly devoted to dormitories and public rooms for the use of the faculty and resident students, though it also contains the library, class-rooms and a large study-hall. Dilworth Hall is chiefly devoted to the chapel and assembly hall, class-rooms, laboratories, and art studio. The Music Hall contains a spacious gymnasium on the first floor, and on the second ample rooms for musical instruction and practice. The college can at present accommodate not more than one hundred resident students. As nearly all the members of the faculty live in the College, there is made possible a frequency and closeness of contact between

professors and students, and a community of interest approaching that which obtains in a well ordered home, which, while not curtailing the reasonable liberty of the student, cannot fail to be of the highest advantage.

Among other benefits which inure to the College by reason of its position in the heart of a great city is its nearness to the Carnegie Institute, with its splendid Library, containing 125,000 volumes; its Museum, rich in collections in zoology, paleontology, ethnography and the mechanic arts; its Art Gallery, which besides maintaining a valuable permanent collection of paintings draw examples of the best work of living artists in this country and abroad to its annual prize exhibitions; and its fine Music Hall, at which are offered opportunities second to none in the land to hear the best music rendered by the most eminent artists of the world. The Institute can be reached from the College in fifteen minutes, and all its privileges except those in music, and some even of these, may be freely enjoyed by the students.

REQUIREMENTS FOR ADMISSION.

Applicants for admission to the Freshman Class, must be at least sixteen years of age. Registration blanks will be provided by the College on application. These blanks, properly filled and signed, must be received by the President before September 1st. A registration fee of five dollars will be charged. This will be credited on the first payment for tuition, or speedily refunded if notification of withdrawal is sent before August 15th. No student will be entered for examination or accepted on certificate before the payment of this fee.

All applicants for admission, whether to the Freshman Class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character. Those who come from other Colleges must also bring certificates of honorable dismission. Admission to the Freshman Class may be gained either by examination or by presentation of certificate from an approved High School or Academy. Each of these methods is outlined below.

Admission on Examination.

Applicants for admission may be examined either during the week preceding Commencement or on September 15th and 16th. Those who wish to be examined in June should notify the Registrar before June 1st; those who wish to be examined in September, before September 8th.

Admission on Certificate.

Students from such High Schools and Academies as may be approved by the Faculty are admitted to the Freshman Class without examination, on the presentation of certificates showing that they have completed the

requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Registrar during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly, the equivalents offered must be stated in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all the requirements. Students received on certificate are regarded as upon probation during the first semester, and those deficient in preparation are dropped whenever the deficiency has been clearly demonstrated.

Admission to Advanced Standing.

Students seeking admission to an advanced grade may be examined in all prescribed studies antecedent to that grade, as well as in the elective studies necessary for the full quota of hours, but full credit will be given to such certificates as they bring from their previous instructors. No one is admitted to the Senior Class after the beginning of the second semester.

Admission to Special Courses.

Students may be received to take special studies for which their previous education has fitted them, but those who have not fulfilled all the requirements for matriculation must satisfy the faculty as to their preparation for the courses they desire to pursue.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS.

I. Languages (Other Than English.)

(1) Latin.

(These requirements are based upon the recommendations of the American Philological Association.)

a. i. LATIN GRAMMAR: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive: so much prosody as relates to accent, versification in general, and dactylic hexameter.

ii. LATIN COMPOSITION: Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.

b. CÆSAR: Any four books of the *Gallic War*, preferably the first four.

c. CICERO: Any seven orations from the following list, but preferably the first six mentioned, (Manilian Law being accepted as the equivalent of two orations):

The four orations against Cataline, Archias, Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Phillippic.

d. VERGIL: The first six books of the *Æneid.*

Pronunciation after the Roman method is preferred. Equivalents will be accepted, but verse will not be considered a substitute for prose, nor will anything be

accepted for translation of English into Latin. An examination in sight reading will be given.

For (*b*) may be substituted the work required in Course 2. in the Latin course of the Preparatory School. (See p. 54.)

(2) *If Physics be offered, a three years' course in one of the following languages, and if Physics be not offered, an additional course of at least one year in a second is required:*

(*a*) **French.** The entrance requirements in French correspond to the three years' course required in the Preparatory School. (See page 60.)

The examination in French is intended to test the candidate's knowledge of pronunciation and ordinary grammatical forms as well as her power to read at sight ordinary French prose and verse. Three years, five hours per week, will be required for preparation, which should include constant exercise in translating English into French.

(*b*) **German.** The entrance requirements in German correspond to the three years' course required in the Preparatory School. (See pages 61, 62.)

An equivalent amount of reading will be accepted.

Students must be able to translate ordinarily difficult German at sight, and to translate simple connected prose from English into German.

A thorough knowledge of German grammar will be required, and the ability to express one's self in German and to follow a recitation conducted in that language.

Frequent practice is recommended in oral and written abstracts of texts read, and in memorizing selected passages.

(*c*) **Greek.**

(These requirements are based upon the recommendations of the American Philological Association.)

a. i. GREEK GRAMMAR: The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

ii. GREEK PROSE COMPOSITION, consisting principally of detached sentences to test the candidate's knowledge of grammatical construction.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis.*

b. XENOPHON: The first four books of the *Anabasis.*

c. HOMER: The first three books of the *Iliad* (omitting II. 494–end.)

An examination in sight reading will be given, based on passages from the *Anabasis.*

II English.

The requirement in English is that recommended by the Conference on Uniform Entrance Requirements in English for Middle States and Maryland.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs.

a. READING.—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the examination

paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. The candidate is expected to read intelligently all the books prescribed. She is not expected to know them minutely, but to have fresh in mind their most important parts. **In every case knowledge of the book will be regarded as less important than the ability to write good English.** In preparation for this part of the requirements, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:

1901 and 1902: Shakespeare's *Merchant of Venice;* Pope's *Iliad*, Books I., VI., XXII., and XXIV.; The *Sir Roger De Coverley Papers* in The Spectator; Goldsmith's *The Vicar of Wakefield*; Coleridge's *The Ancient Mariner;* Scott's *Ivanhoe;* Cooper's *The Last of the Mohicans;* Tennyson's *The Princess;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner.*

1903, 1904, 1905: Shakespeare's *The Merchant of Venice* and *Julius Cæsar;* The *Sir Roger De Coverley Papers* in The Spectator; Goldsmith's *The Vicar of Wakefield;* Coleridge's *The Ancient Mariner;* Scott's *Ivanhoe;* Tennyson's *The Princess;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner;* Carlyle's *Essay on Burns.*

b. Study and Practice.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form, and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the

leading facts in these periods of English literary history to which the prescribed works belong.

The books set for this examination will be:

1901 to 1905; Shakespeare's *Macbeth;* Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso;* Burke's *Speech on Conciliation with America;* Macaulay's *Essays on Milton and Addison.*

Attention is called to the following recommendations of the Conference on Uniform Entrance Requirements in English:

1. That English be studied throughout the elementary and secondary school courses, and, when possible, for at least three periods a week during the four years of the high school course.

2. That the prescribed books be regarded as a basis for such wider courses of English study as the schools may arrange for themselves.

3. That, where careful instruction in idiomatic English translation is not given, supplementary work to secure an equivalent training in diction and in sentence structure be offered throughout the high school course.

4. That a certain amount of outside reading, chiefly of poetry, fiction, biography and history, be encouraged throughout the entire school course.

5. That definite instruction be given in the choice of words, in the structure of sentences and of paragraphs, and in the simple forms of narration, description, exposition, and argument. Such instruction should begin early in the high school course.

6. That systematic training in speaking and writing English be given throughout the entire school course. That, in the high school, subjects for composition be

taken partly from the prescribed books and partly from the student's own thought and experience.

7. That each of the books prescribed for study be taught with reference to

a. The language, including the meaning of words and sentences, the important qualities of style, and the important allusions;

b. The plan of the work, i. e. its structure and method;

c. The place of the work in literary history, the circumstances of its production, and the life of its author.

That all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

III. Mathematics.

(1) ALGEBRA. Elementary operations, radicals, theory of exponents, inequalities, quadratic equations, ratio, proportion, variation, arithmetic and geometric progressions, permutations and combinations, binomial theorem for positive, negative and fractional exponents, and logarithms.

(2) PLANE GEOMETRY, complete. Wentworth or Wells, first five books.

IV. Science.

Physics, Carhart and Chute, *Elements of Physical Science*, or equivalent. Laboratory work consisting of at least 40 experiments taken from the manual must be shown by note book certified by the instructor to be the original work of the student. As noted above, one year of a third language may be substituted for Physics.

V. History.

Maps, Essays and Biographical sketches, bound neatly in a folder, must be presented to the teacher at the head of the History Department. If not presented, an examination on these points will be given.

The student must be prepared to give a full statement of her previous historical study, with grades of class standing in the same.

For detailed statement of requirements see the history courses offered in the Preparatory School (page 64).

1. English History from earliest times to the present.

2. History of Ancient East and of Greece to the close of Peloponnesian war.

3. Roman History to 476 A. D.

REQUIREMENTS FOR GRADUATION.

Extensive changes in the curriculum were put in force with the beginning of the Academic year 1901–1902. Previous to that time the College had provided two courses of study, leading to the degrees of A.B. and B. L. respectively. Beginning with the Academic year 1902-1903, the B. L. course will be merged into the A.B. course, which will then offer a much wider choice of elective studies than has hitherto been allowed.

Students of the Senior and Junior years will be required to adjust their work to the new conditions as rapidly as circumstances permit. The course of study as now adopted is as follows:—

In order to graduate, students must have pursued a course of sixty-one (61) year hours, distributed between prescribed and elective work in the proportion of thirty-

seven (37) and twenty-four (24) respectively. The prescribed work includes the following courses:—

Latin—Courses 1, 2.

English—Courses 1, 2, 3, 7.

Other Language—A total of eight year hours in one or two of the following languages:

French
or
German
or
Greek.

Mathematics.—Course 1.

Science:

Chemistry—Courses 1, 2, 3.
or
Biology—Courses 1, 2.

History—Courses 1, 2.

Philosophy—Courses 1, 2, 3.

Bible—Courses 1, 2, 3, 4.

The elective work must be distributed among the courses offered in the several years as specified in the following tabular statement:

TABULAR STATEMENT OF CURRICULUM.

Freshman Year.	Hrs.	Sophomore Year.	Hrs.	Junior Year.	Hrs.	Senior Year.	Hrs.
Latin, Courses 1, 2.	4	English, Course 3.	1	English, Course 7.	2	Philosophy, Course 3.	1½
English, Courses 1, 2.	3	French, or German, or Greek,	4	Philosophy, Courses 1, 2.	2½	Bible, Course 4.	1
French, or German, or Greek,	4	Science.	4	Bible, Course 3.	1	Elective.	12½
Mathematics, Course 1.	4	History, Courses 1, 2.	3	Elective.	9½		
Bible, Course 1.	1	Bible, Course 2.	1				
		Elective.	2				
Total	16	Total	15	Total	15	Total	15

GENERAL INSTRUCTIONS.

No student will be enrolled as a member of any class if her conditions exceed what may be made up in one year by a single recitation daily.

The faculty retains the option of forming a class in any elective except upon application of six students.

EXAMINATIONS.

Examinations are ordinarily held at the close of a semester, but may be held at other times at the discretion of the professor. Students who fail to present themselves for examination at the appointed time may secure private examinations only on the payment of a fee, and request for such examination must be preferred through the President.

COURSES OF INSTRUCTION.

GREEK.

1. **Grammar and Prose Composition:** *First Greek Book* (White).

Xenophon, *Anabasis* (Goodwin and White).

4 periods, through the year.

2. **Xenophon,** *Anabasis* continued through Book IV.
Homer, *Iliad* (Seymour), Books I., II., and III.
Greek Prose Composition (Pearson).

4 periods, through the year.

Courses 1 and 2 are open to students not offering Greek in College preparation. Course 2 open to students entering College with one year of Greek as a third language.

3. **Lysias,** Selected orations (Wait). Collateral reading on the Attic Orators, Legislative Bodies and Law Practice in Athens.

Greek Prose Composition (Boise).
Private Reading, Isocrates, *Panegyricus.*

4 periods, first semester.

4. **Aeschylus,** *Prometheus Bound* (Mather). Sophocles, *Œdipus Tyrannus* (Earle). Private reading on the archæology of the drama, (actors, costumes, buildings, etc.)

Greek prose Composition (Boise).
Private Reading, Euripides, *Medea.*

4 periods, second semester.

Courses 3 and 4 are open to all who have completed courses 1 and 2, whether in preparatory work or in college.

5. **History of Greek Literature:** Lectures with private reading assigned in Greek and English.

Elective.

2 periods, through the year.

6. **Plato,** *Apology* and *Crito.*

Private Reading, Xenophon, *Memorabilia*, Books I. and II.

Elective, open to those who have completed courses 3 and 4.

3 periods, one semester.

7. **Homer,** *Odyssey.* Two books will be read consecutively. The epic will be studied as a whole from the literary standpoint. Homeric life and antiquities will be studied in detail.

Private Reading, Demosthenes, *Philippic, I., Olynthaics.I.—III.*

Elective, open to those who have completed courses 3 and 4.

3 periods, one semester.

Oral examinations on the courses in private reading are held at the end of each semester.

8. **Herodotus,** (Selections), or **Xenophon,** *Cyropaedea*; rapid reading.

Elective.

2 periods, one semester.

9. **Aristophanes,** *Frogs* or *Clouds.* **Lucian,** Selected dialogues.

Elective, open to Juniors and Seniors.

2 periods, one semester.

10. **Advanced Greek Prose:** Constructive study of Greek syntax and style.

Elective.

2 periods, one semester.

LATIN.

1. **Livy,** Books XXI. and XXII. (Westcott).
Latin Prose Composition (Gildersleeve).
Private Reading, Vergil, *Æneid, Books VII. and VIII.*

Required of Freshmen.

4 periods, first semester.

2. **Horace,** *Odes and Epodes* (Shorey).
Latin Prose Composition (Gildersleeve).
Private Reading, Cicero, *de Senectute.*

Required of Freshmen.

4 periods, second semester.

3. **History of Latin Literature:** Lectures with private reading assigned in Latin and English.

Elective.

2 periods, through the year.

4. **Tacitus,** *Annals* (Allen).
Private Reading, Pliny, *Selected Letters.*

Elective.

3 periods, first semester.

5. **Horace,** *Satires and Epistles* (Rolfe). **Juvenal,** *Satires* (Duff).
Private Reading, Tacitus, *Germania.*

Elective.

3 periods, second semester.

Oral examinations on the courses in private reading are held at the end of each semester.

6. **Latin Comedy:** Selected plays of **Plautus** and **Terence.**

Elective, open to Juniors and Seniors.

2 periods, one semester.

7. **Advanced Prose Composition:** Constructive study of Latin syntax and style.

Elective.

2 periods, one semester.

ENGLISH LANGUAGE AND LITERATURE.

1. **English Composition:** Daily themes, with exercises in the principles of Description, Narration, and Exposition.

Required of Freshmen.

2 periods, through the year.

2. **English Literature:** Introductory course, which aims to train the student in intelligent reading of selected literature, to awaken interest in the best literature, and to cultivate an appreciation of literary form. Essays, topical recitations, and collateral reading.

Required of Freshmen. Open to Special Students.

1 period, through the year.

3. **Rhetoric:** Systematic study of prose form, with practice in the analysis of essays and arguments. Four reviews of standard books and eight essays in popular exposition.

Required of Sophomores.

1 period, through the year.

4. **English Literature and Rhetoric:** Study of the principles of structure in selected fiction, and in epic, lyric, and dramatic masterpieces. A correlate of course 7, designed for students who purpose to elect special courses in literature or language.

Elective for Sophomores and Special Students.

2 periods, first semester.

5. **English Literature:** The Nineteenth Century; essays and collateral reading.

Elective, open to five or more Special Students, at the opening of either semester. Those who elect course 5 are expected to take English 1 and 2, and are advised to take History 5 and 6,

2 or 3 periods, one semester.

6. (*a*) **Old English and Chaucer:** Introductory course in the study of the English language. Elementary lessons in Old English as a basis of the pronunciation and reading of Chaucer. Pre-requisites, English 1 and 2.

Elective.

2 periods, first semester.

6. (*b*) **Old English:** Cynewulf's *Elene;* Grammar of Old English (Sievers–Cook); lectures on the history of the English language.

Elective, open to students who have passed 6 (a.)

2 periods, second semester.

7. **The History of English Literature:** The development of our literature from the *Beowulf* to Tennyson; a study of the masterpieces of English. Pre-requisites: English 1, 2 and 3. History 5 and 6 (See pages 39, 40), and English 4 are recommended as preliminary electives.

Required of Juniors; open to those who have completed courses 1, 2, and 3.

2 periods, through the year.

8. **The Principles of Argumentation:** Study of argumentative writing; preparation of briefs; and practice in debate.

Elective, open to Juniors and Seniors.

2 periods, first semester.

9. (*a*) **The History of Literary Criticism.**

(*b*) **The Interpretation of Literature.** Pre-requisites: English 1, 2, and 4.

Elective, open to Juniors, Seniors, and Graduates.

2 periods, second semester.

10. **Shakspere:**

(*a*) The English Drama before Shakspere.

(*b*) The development of Shakspere's mind and his progress in the mastery of dramatic technic. Lectures, essays, and discussions upon ten of the plays.

Elective, open to Seniors and Graduates.

3 periods, first semester.

11. (*a*) **Seminary in English Literature since 1832.**

(*b*) **Seminary in American Literature.**

Elective, open to Seniors and Graduates. Students may choose either a or b. Those planning to elect course 11 are advised to take course 4 in Philosophy (See page 44).

3 periods, second semester.

12. Teachers' Course:

(*a*) Historical English Grammar.

(*b*) Methods of teaching English; observation of methods in use in the secondary schools; conferences.

Open to teachers.

Hours to be arranged with the instructor.

FRENCH.

1. Grammar: Whitney. A thorough drill in verbs. Reading: Halèvy, *L'Abbé Constantin*, *Labiche et Martin*, *Le Voyage de Monsieur Perichon;* Sandeau, *Mademoiselle de la Seiglière;* About, *La Mère de la Marquise;* Michelet, *La Prise de la Bastille.*

Open to Freshmen who have offered no French at entrance.

4 periods, through the year.

2. Histoire de la Litterature francaise: R. Doumic. Drill in letter writing. Short lectures on the formation of the French language. Easy English translated into idiomatic French. Reading: Daudet, *Les Lettres de*

Mon Moulin; Madame de Sèvigné, *Letters;* Mèrimée, *Colomba;* Marmier, *Le Protègé de Marie Antoinette.*

Open to students who have taken course 1 or its equivalent.

4 periods, through the year.

3. **Textual Reading** and study of French Literature; French Revolution, its influence in literature. Reading: V. Hugo, *Quatre-vingt-treize;* Lamartine, *Jocelyn.* Short lectures on Early Pessimism, Religious Renaissance, Romanticism and the Humanitarians. Selected readings.

Elective, open to students who have had courses 1 and 2 or their equivalent.

3 periods, through the year.

4. **Talks and Discussions** on French society of the XVII. century. L'Hôtel de Rambouillet: its influence; biographies of its "habitués." Réforme de la prose. Reading: Selections from Jean de Balzac, Voiture and Descartes, The Moralists, the Pulpit, La Rochefoucauld, Pascal, Calvin, Bossuet. Classical Tragedy: Critical study of the works of Corneille, Racine.

Elective, open to students who have had courses 2 and 3 or their equivalent.

3 periods, through the year.

5. **Literature of the XIX. Century:** The Comedy. Study of the principal authors of the century; works read and discussed; summaries, essays. Reading: Corneille, *Le Cid*, *Horace*, *Cinna*, *Polyeucta*, *Nicomede;* Racine, *Athalie*, *Esther*, *Britanicus*, *Phèdre*, *Andromaque.*

Elective, open to students who have had courses 3 and 4 or their equivalent.

3 periods, through the year.

6. **Rapid Reading:** The Drama, the Novel, Lyric Poetry. Conversation based upon works read. Topics will be assigned for reports. French to be used in all reports and discussions in the class.

Elective, open to students who have had courses 4 and 5 or their equivalent.

Three periods, through the year.

7. **Advanced French Prose:** Selected passages from English authors translated into French; thorough study of syntax, idioms and synonyms.

Elective, advised for those who intend to teach French.

2 periods, through the year.

N. B—All classes are conducted in French. Students are expected to speak French in class.

GERMAN.

1. **Elementary German:** Thomas' German Grammar. Reading of easy narrative prose, as Grimm's *Märchen;* Heyse, *L'Arrabbiata;* Gerstäcker, *Germelshausen;* Von Hillern, *Höher als die Kirche;* Riehl, *Der Fluch der Schönheit;* Auerbach, *Brigitta.* Prose Composition. Conversation based upon text. Dictation. Poems memorized.

Offered to Freshman who have presented no German at entrance.

4 periods, through the year.

2. **Introduction to the Study of German Classics:** Schiller, *Wilhelm Tell, Jungfrau von Orleans, Balladen;* Lessing, *Minna von Barnhelm*; Goethe, *Hermann und Dorothea, Dichtung und Wahrheit.* Lectures upon the texts studied and the lives of the authors are given in German. Constant practice in oral and written abstracts

and discussion of the text. Advanced grammar. Prose Composition (Wenckebach).

Open to students who have taken course 1 or its equivalent.

4 periods, through the year.

3. German Classics Continued:

Lessing, *Nathan der Weise;* Schiller, *Wallenstein;* Goethe, *Iphigenia;* Scheffel, *Der Trompeter von Säkkingen*, *Ekkehard.*

Lectures, Abstracts, Essays.

Elective for students who have taken College courses 1 and 2, or for Freshmen who presented German as second language at entrance.

3 periods, through the year.

For students electing this course as the required language work of the Freshmen or Sophomore year, an additional hour of German prose will be required. (see course 8.)

4. Goethe's Faust. Part 1. Selections from Part 2.

Critical study of the Faust legend.

Elective, open to Juniors and Seniors who have taken courses 1, 2 and 3.

2 periods, second semester.

5. Course in Modern Novelists and Dramatists:

Rapid reading of selected works from Sudermann, Auerbach, Dahn, Freytag, Hauptmann, Grillparzer, Von Kleist.

Elective for students who have taken courses 1, 2 and 3.

2 periods, through the year.

6. Outline of the History of German Literature

from the earliest times to the nineteenth century. Textbooks used—Kluge's *National Literatur*, König's *Deutsche Literatur;* Scherer's *Literatur* used for reference. Recitations and lectures are supplemented by

rapid reading of passages selected from the authors studied, of which written or oral abstracts are required and class discussion. Among texts read and discussed are selections from *Das Niebelungen Lied*, *Parsifal*, *Gudrun*, and the works of Hans Sachs, Luther, Klopstock, Wieland, Lessing, Goethe, Schiller.

Elective, open to students who have taken at least courses 1, 2 and 3.

3 periods, through the year.

MATHEMATICS.

1. *a.* **Solid and Spherical Geometry.**

The exercises in Geometry include recitations from the text book, original demonstrations of propositions, and the application of principles to numerical examples.

b. **Higher Algebra.**

Subject as treated in Wells' *College Algebra*, chapters XXX. to XLII.

c. **Plane Trigonometry.** (Wells.)

Required of Freshmen.

4 periods, through the year.

2. Spherical Trigonometry.

Elective.

2 periods, one semester.

3. Plane Analytic Geometry. (Bowser.)

The work consists of investigations of the properties of the right line, the circle and the conic sections.

Elective.

4 periods, one semester.

4. Differential Calculus.

Elective.

4 periods, one semester.

5. Integral Calculus.

Elective.

3 periods, one semester.

ASTRONOMY.

Descriptive Astronomy.

Elementary facts and principles with mathematical exercises. Location of the principal constellations. Opportunities given to view with the telescope the sun, moon, planets, stars and nebulae. (Young's *General Astronomy.*)

Elective, open to all students who have taken mathematics.

2 periods, through the year.

CHEMISTRY.

1. General Inorganic Chemistry. 4 periods a week. Laboratory work, 4 hours a week.

This course does not presuppose a knowledge of Chemistry. It consists of lectures and recitations on the history, occurrence, preparation, and properties of the more important non-metallic and metallic elements. Classroom work is supplemented by work in laboratory, where each student prepares and transforms the chief substances studied. The text-books used are Remsen's *College Textbook of Chemistry* and Keiser's *Laboratory Manual.*

4 periods, first semester.

2. Qualitative Analysis. 3 periods a week, Laboratory work, 4 hours a week.

This course consists of lectures, reviews and laboratory work in Qualitative Analysis. Constant practice in identifying unknown substances is given to each student. The text-book used is A. A. Noye's *Qualitative Analysis.*

3 periods, second semester.

3. Lectures on Chemical Theory. It is designed to give in this course a brief introduction to the study of Physical Chemistry.

1 period, second semester.

Courses 1, 2 and 3 (or courses 1 and 2 in Biology) are required of Sophomores.

4. Organic Chemistry. 3 periods a week. Laboratory work, 2 hours a week.

Typical organic compounds, their relations and transformations, are studied. In the class-room the work is pursued by a combination of the lecture and recitation systems. In laboratory the more simple organic compounds are first studied, and the synthesis of more complex substances from these is then taken up. In every preparation attention is given to quantitative results.

3 periods, through the year.

4. Quantitative Analysis. 2 periods a week. Laboratory work, 2 hours a week.

Lectures and laboratory work in gravimetric and volumetric methods.

2 periods, through the year.

BIOLOGY.

1. Comparative Anatomy of Vertebrates. 4 periods a week. Laboratory work, 4 hours a week.

COURSE *a*. Lectures are given on the skeleton, muscles, digestive, respiratory, nervous and urinogenital systems of the fish, frog, turtle, pigeon and rabbit as types of vertebrates. In laboratory these forms are carefully dissected, their skeletons are mounted, and correct drawings of different organs are made.

COURSE *b*. Six weeks' study of the embryology of the frog and chick supplements Course *a*. The work is conducted by lectures and charts and by laboratory work.

Each student is given an opportunity to make a collection of sections of embryos at various stages of development.

The text-books followed in courses *a* and *b* are Parker and Haswell's *Text-book of Zoology*, Morgan's *Embryology of the Frog*, and Foster and Balfour's *Elements of Embryology*.

4 periods, first semester.

2. Systematic Invertebrate Zoology. 4 periods a week. Laboratory work, 4 hours a week.

This course consists of a comparative study of the amœba and other protozoa; of typical members of the following sub-kingdoms: Coelenterata, Platyhelminthes, Nemathelminthes, Trochelminthes, Echinodermata, Annulata, Anthropoda; and of the forms Ascidian and Amphioxus. The text-books followed are Parker and Haswell's *Text-book of Zoology* and Hyatt's *Insecta*.

4 periods, second semester.

N.B. Courses 1 and 2 (or courses 1, 2 and 3 in Chemistry) are required of Sophomores.

HISTORY.

1. The Mediaeval Period: An outline study of the history of Europe from the first century to the Feudal Age. The object of the course is to give a general survey of the political, social and ecclesiastical history of Europe from Augustus to Charlemagne. Particular attention is paid to the causes of the fall of Rome, to the Barbarians, and to the development of the Church. The work of the department is conducted by means of text-books, such as Duruy's *Middle Ages*, Emerton's *Introduction to the Middle Ages*, Andrew's *Institutes*, etc.; also by topical outlines, maps, essays and lectures.

Required of Sophomores.

3 periods, first semester.

2. The Mediaeval Period, (continued): An outline study of the history of Europe from the Feudal Age to the Renaissance. In this course particular attention is given to the dominating influence of the church; to Feudalism; to the formation of the European states; to the Holy Roman Empire and to the Crusades. The work is conducted as in the first semester.

Required of Sophomores.

3 periods, second semester.

3. The Modern Period: A study of the history of Europe from the beginning of the Renaissance to the Treaty of Westphalia, 1648. This course is a special study of the political and religious history of Europe during the Reformation, by means of biographies, topical outlines and lectures.

Elective, open to those who have completed courses 1 and 2.

3 periods, first semester.

4. The Modern Period, (continued): A history of Europe from the close of the Thirty Years War to our own times. Special attention is given to the rise of Prussia, to the French Revolution and the Napoleonic wars.

Elective, open to those who have completed courses 1, 2 and 3.

3 periods, second semester.

5. English History: The work of this course is an outline of general English History from the earliest times to the reign of Edward I. Texts, Gardiner's *Students' History*, Green's *History of the English People*. Maps, essays and library work are required.

Elective, recommended to Sophomores wishing to specialize in English Literature, but may be elected by any student.

2 or 3 periods, first semester.

6. English History: This course is a continuation of course 5, from the reign of Edward I. to the present time.

Elective, open to those who have completed course 5.

2 or 3 periods, second semester.

7. French History: This is a course in general French History from earliest times and through the reign of Louis XIV. The work is conducted by means of text books, topical outlines, maps, essays and library work.

Elective, open to all students.

2 periods, first semester.

8. French History: This is a continuation of course 7, from the reign of Louis XIV to the present time.

Elective, open to those who have completed course 7.

2 periods, second semester.

9. English Constitutional History: This course embraces the Constitutional and Political History of England from the English migration to Britain to the reign of Edward I. The student's work is based on Stubb's *History of the English Constitution*, and involves the preparation of papers on assigned subjects.

Elective, open to Seniors who have had courses 5 and 6.

2 periods, first semester.

10. English Constitutional History: This course is a continuation of Course 9, and covers the Constitutional and Political History of England to recent times.

Elective, open to Seniors who have had courses 5, 6 and 9.

2 periods, second semester.

11. American Colonial History: This course is devoted to the study of the English Colonies in North America from their settlement until the establishment of the present Constitution of the United States.

Elective, open to those who have completed courses 5 and 6.

2 periods, first semester.

12. Political and Constitutional History of the United States: This course treats of the development of political parties, the legislative fight over slavery, and the history since the inauguration of President Lincoln.

Elective, open to those who have completed courses 5, 6 and 11.

2 periods, second semester.

13. Private Life and Political Antiquities of the Greeks: This course treats of the environment of the ancient Greek life, its usages and occupations, its ideas and institutions. Based upon Duruy's *Greek History*, Guhl and Köner's *Private Life of the Greeks and Romans.*

Elective, open to Juniors and Seniors.

2 periods, first semester.

14. Private Life and Political Antiquities of the Romans: This course is a continuation of course 13, and has the same treatment. The work is based upon Bury's *Roman Empire*, Duruy's *Roman History*, Gibbon's *Rise and Fall of the Roman Empire.*

Elective, open to Juniors and Seniors who have completed course 13.

2 periods, second semester.

HISTORY OF ART.

1. **History of Architecture:** This is an outline study of Egyptian, Asiatic and Greek Architecture, based upon Hamlin's *History of Architecture*, the study of photographs and collateral reading. Each student is required to make an illustrated note-book requiring original research.

Elective, open to all students.

2 periods, first semester.

2. **History of Architecture:** This course is a continuation of the work of the first semester and is conducted in the same manner. The subjects considered are Early Christian, Byzantine, Romanesque and Gothic Architecture.

Elective, open to those who have had course 1.

2 periods, second semester.

3. **History of Sculpture:** This course provides for an outline study of Egyptian, Assyrian and Greek Sculpture, special attention being given to Greek Sculpture in the fourth and fifth centuries, B. C. The method of study is the same as in Architecture.

Elective, open to those who have had courses 1 and 2.

2 periods, first semester.

4. **History of Sculpture:** This course is a continuation of course 3, and takes up the study of Graeco-Roman, Early Christian, Renaissance and Modern Art.

Elective, open to those who have had courses 1, 2 and 3.

2 periods, second semester.

5. **History of Painting:** This course is an outline study of the Antique and Early Christian period of

painting. The method of study is the same as in History of Architecture and Sculpture.

Elective, open to Juniors and Seniors.

2 periods, first semester.

6. History of Painting: This course is a continuation of course 5, and provides for an outline study of the Italian Renaissance and Modern Painting.

Elective, open to those who have had course 5.

2 periods, second semester.

PHILOSOPHY.

1. Psychology. The aim in this course is to give the student a knowledge of the laws and the phenomena of the mind, as well as to cultivate the power of thought. Text-book, James's *Psychology, Briefer Course.* References: Wundt, Külpe, Titchener, Ladd and others.

Required of Juniors.

3 periods, first semester.

2. Logic. In this course effort is made to give the student a thorough knowledge of Logic as a science, and of the application of the Syllogism to the forms of deductive reasoning. Text-book, Creighton's *Introductory Logic.*

Required of Juniors.

2 periods, second semester.

3. Ethics. Mackenzie's *Manual of Ethics* is the text-book used in this course, but the students are referred to other works in order that they may be made acquainted with the leading systems of Ethics, and may also get a clear conception of the basis of obligation and the fundamental principles of morality.

Required of Seniors.

3 periods, first semester.

4. History of Philosophy. An introductory outline of Greek philosophy is followed by a study of the development of modern philosophy. The work of the course will include constant reference to the standard histories of philosophy.

Elective, open to all who have taken the required work in Psychology.

2 periods, second semester.

5. History of Philosophy. The subject of this course will be selected from year to year. Some philosophical movement or single work, such as Kant's *Critique of Pure Reason*, will be carefully and critically studied.

Elective, open to those who have taken course 4.

2 periods, first semester.

6. Christian Evidences. In this course the aim is to give a complete outline of the grounds upon which the Christian system rests, in order that the student may be made acquainted with the arguments for Theistic and Christian belief.

Elective, open to Seniors, Juniors and Sophomores.

2 periods, first semester.

POLITICAL SCIENCE.

(*a*) Political Economy.

1. Elements of Political Economy. General introductory course. Recitations and discussions on the basis of Bullock's *Introduction to the Study of Economics.*

Elective, open to Seniors and Juniors.

2 periods, first semester.

2. Advanced Economics. This course comprises a brief historical view of the subject and critical studies of the theories of value and wages.

Elective, open to those who have taken course 1.

2 periods, second semester.

(*b*) Social Science.

1. **Elementary Social Science.** An introductory course upon the nature and methods of Social Science, and upon certain social problems, such as those connected with the family, with race and immigration, and with the dependent classes,

Elective, open to Seniors and Juniors.

2 periods, second semester.

BIBLE.

1. **Studies in Hebrew History** from the Establishment of the Kingdom to the Fall of Jerusalem.

Required of Freshmen.

1 period, through the year.

2. **The Hebrew Prophets.** A careful study will be made of the historical setting of the books, the character of each prophet and his message to the people.

Required of Sophomores.

1 period, through the year.

3. **Historical Study of the Life of Christ.**

Required of Juniors.

1 period, through the year.

4. **The Establishment of the Christian Church.**

a. The Acts.

b. The Apostolic Letters.

Required of Seniors.

1 period, through the year.

5. **Historical Geography of the Holy Land.**

Elective, open to Juniors and Seniors.

1 period, first semester.

6. **Modern Discoveries in Bible Lands.**

Elective, open to Juniors and Seniors.

1 period, second semester.

EQUIPMENT.

Libraries. The College Library, housed in Berry Hall, contains twenty-eight hundred volumes. Students have access to its shelves from 8:15 A. M. to 9:30 P. M. daily. The collection is classified, and provided with a card-catalogue. It is the purpose of the officers of the college to collect and maintain a working library for every department of instruction; a thorough reorganization has augmented the working value of the books already on our shelves. Recently one hundred and thirty-five volumes have been purchased for the department of German language and literature, and about fifty titles of standard works have been added to the Classical and the French collection, respectively. The departments of Biblical literature, history of art, English literature, history, and psychology, are provided with the books in constant use, while those needed for occasional or special reference are easily accessible in the neighboring public library. The department of History of Art is further equipped with about four hundred mounted photographs for comparison and special study.

The Carnegie Public Library — distant ten minutes by direct trolley line from the College buildings — is, by courtesy of its directors, free to all resident students, and non-residents may, on the payment of a nominal fee, take out books from the circulating department. Valuable and recent collections for the study of Shakespeare, modern literature, history, art, architecture, sociology, and political science, are accessible to the students of the College, many of the standard works being either upon open shelves or on the lists of circulating works.

Thus, students of the College have ready access to collections aggregating 128,000 volumes.

The College subscribes for fifty periodicals.

Laboratories. The Science department is located on the third floor of Dilworth Hall and is provided with a lecture room, chemical and biological laboratories. The laboratories have been remodeled recently, and are supplied with all modern apparatus necessary for the pursuit of the courses of study offered. The chemical laboratory is equipped with accurate chemical balances, boiling and freezing point apparatus and other facilities for careful quantitative work. Connected with the Chemical laboratory is a stock-room situated on the first floor of Dilworth Hall from which duty-free apparatus is lent to the student for use in the laboratory. This apparatus remains the property of the college and may be returned at any time; but if broken or used up the student is required to replace it. While no attempt is made to maintain a museum, students have access to a very good collection of minerals, specimens of the rarer elements and their compounds, and representatives of the less readily prepared organic substances. Collections of mounted skeletons illustrating the comparative osteology of typical vertebrates, of preserved and mounted zoological forms, and of charts and microscopical mounts supplement the laboratory equipment in Biology.

An observatory with Brashear reflecting telescope of 4½ in. aperture, equatorially mounted, and necessary charts and models are provided for students in astronomy.

COLLEGE STUDENTS.

Seniors.

Blair, Mary,	Pittsburgh.
Braun, Elsie,	"
Dickey, Helen Barlow,	"
Houston, Annie McCutcheon,	"
Kingsbury, Grace Addison,	"
Littell, Clara Mary,	"
Montgomery, Annie Dawson,	"
McClelland, Margaret Marshall,	"
McKinney, Margaret E.,	Fairmount, West Va.
Sherrard, Helen Ewing,	Wilkinsburg.
Shrom, Mary A.,	Pittsburgh.
Stanton, Edith Nicholson,	"
Van Wagener, Elizabeth M.,	"

Juniors.

Duff, Harriet Templeton,	Pittsburgh.
Fitzgibbon, Eleanor,	Carnegie.
Hunter, Anna Rogers,	Pittsburgh.
Johnstin, Ruth Frances,	London, Ohio.
McSherry, Jennie Emma,	Pittsburgh.
Petty, Anna Myra,	"
Pfeil, Sarah,	"
Sadler, Hilda Ridley,	"
Willson, Mary Grier,	Allegheny.

Sophomores.

Blair, Nancy Brown,	Pittsburgh.
Carpenter, Elizabeth Roe,	Wilkinsburg.
Eggers, Rebekah,	Allegheny.
Gray, Jessie Callam,	Pittsburgh.
McKee, Edna Garfield,	Allegheny.
McKee, Katherine C.,	Pittsburgh.

Freshmen.

Alford, Carrie Cathaline,	Garrettsville, Ohio.
Kerr, Harriett Bowen,	Edgewood Park.
Marsh, Mary Leona,	Mount Pleasant.
McClelland, Mary Beacom,	Pittsburgh.
Pew, Nancy Elizabeth,	Wilkinsburg.
Snyder, Emma,	"
Thomas, Helen C.,	Pittsburgh.
Van Wagener, Florence,	London, Ohio.
Williams, Ruth L.,	Pittsburgh.
Young, Lida B.,	"

Special Students.

Archer, May,	Pittsburgh.
Baker, Edith Louise,	Findlay, Ohio.
Fisher, Marie,	Pittsburgh.
Fitzgibbon, Frances,	Carnegie.
Kane, Katherine Louise,	Crawfordsville, Ind.
Lytle, Mary Josephine,	Pittsburgh.
Morrow, Maude,	Wilkinsburg.
McNitt, Willa Mayes,	Patterson.
Robinson, Lois H.,	Reynoldsville.
Shrom, Laura,	Pittsburgh.
Slutz, Gertrude,	"
Wilson, Anna G.,	Beaver.

Recapitulation.

Seniors,	13
Juniors,	9
Sophomores,	6
Freshmen,	10
Special Students,	12
Total,	50

Preparatory School.

In addition to the College Course proper, the College offers a course for students who desire preparation for College. This course consists of a preliminary year, and four years of specific College preparatory work.

Girls not less than twelve years of age who have passed successfully for the eighth year of the public schools ordinarily will be admitted to the preliminary year (called Grammar Grade) without examinations. Others may, at the discretion of the Faculty, be subjected to examination in Reading, Spelling, Arithmetic as far as Percentage, Geography and English Grammar (including the parts of speech and parsing of simple sentences.)

Girls who have passed for admission to the high schools of Pittsburgh and Allegheny, or other high schools maintaining an equal standing, will be admitted without examination to the first preparatory year, provided they present satisfactory certificates to that effect. All others may be subjected to examination at the discretion of the Faculty.

The scheme of studies in the Grammar Grade and the Preparatory School will be found on the two following pages.

GRAMMAR COURSE.

Mathematics.	English.	Elocution, etc.	History.	Geography.	Bible.	Total Number of Class Periods Per Week.
Arithmetic, beginning with Percentage. Arithmetic Completed. 5 hrs.	Grammar and Composition. 5 hrs.	Reading, Spelling, } 2 hrs. Writing. 2 hrs.	American History. 4 hrs.	Geography. 2 hrs.	Bible. 1 hr.	21

COLLEGE PREPARATORY COURSE.

Year.	Mathematics.	Latin.	Second Language.	Third Language.	English.	History.	Bible.	Additional Subjects.	Total Number of Class Periods per Week.
First Year.	Algebra. 5 hrs.	Latin Lessons. 5 hrs.			Principles of Composition, Literature. 4 hrs.	English History. 3 hrs.	Course 1. 1 hr.	Mythology. 1 hr. Drawing. 1 hr.	20
Second Year.	Algebra. 5 hrs.	Eutropius. Nepos. Cæsar. Gellius. 5 hrs.	Greek, French, or German. 5 hrs.		Principles of Composition, Literature. 4 hrs.		Course 2. 1 hr.		20
Third Year.	Plane Geometry. 4 hrs.	Cicero. 5 hrs.	Greek, French, or German. 5 hrs.		Principles of Composition, Literature. 2 hrs.	General History. 3 hrs.	Courses 3, 4. 1 hr.		20
Fourth Year.	Review Mathematics. 2 hrs.	Vergil. 4 hrs.	Greek, French, or German. 4 hrs.	Greek, * French, or German, 4 hrs.	Rhetoric, Principles of Composition, Literature. 3 hrs.		Courses 5, 6. 1 hr.	Physiology. 1 hr.	19

* Physics may be substituted for the third language.

COURSE OF INSTRUCTION.

LATIN.

I. The Roman method of pronunciation is used. All quantities are observed from the first, both in pronunciation and writing. Correct and expressive reading of Latin aloud is practiced, with constant attention to quantity.

II. Special attention is given to synonyms and derivative endings as an aid to facility in reading at sight.

III. Exercises in Latin Prose Composition are of three grades: (*a*) prepared beforehand and brought to class in writing (*Latine Scribenda*); (*b*) prepared beforehand and recited orally (*Latine Dicenda*); (*c*) written or recited in class without previous preparation.

IV. A thorough preparation in English Grammar is considered necessary to obtain the best results in the study of Latin. All students must take a preliminary examination in English Grammar to test their readiness in this respect. Poetry will not be accepted as a substitute for prose reading.

1. **Elementary Latin.** *First Book in Latin*, (Tuell and Fowler).

Required in first year.
5 periods, through the year.

2. **First Latin Readings** (Arrowsmith and Whicher), Eutropius, Nepos, Cæsar and Aulus Gellius. Careful study of construction. Practice in sight-reading. Geography of Roman world. Prose work in Collar's *Practical Latin Composition*, part III., to bottom p. 107. Allen and Greenough's *Latin Grammar* is used, and during this year Tuell and Fowler's *First Book in Latin* is reviewed.

N. B. For prose based on Cæsar, *De Bello Gallico*, may be substituted prose based on Nepos, *Themistocles*.

Required in second year.

5 periods, through the year.

3. **Cicero** (Allen and Greenough), seven orations. Continued attention to construction, to Roman Constitution, to argument and style of the orations. Practice in sight-reading. Collar, *Practical Latin Composition*, p. 108 through Part IV. General review of Latin Grammar.

Required in third year.

5 periods, through the year.

4. **Vergil** (Greenough and Kittredge), *Æneid*, six books, with prosody. Practice in sight-reading. Since the pupil is presumed by this time to be well-grounded in construction, this course is studied from a literary standpoint. Style, figures, descriptions and mythology are studied, and photographs of celebrated works of art are used to illustrate the poem.

Required in fourth year.

4 periods, through the year.

GREEK.

1. **Elementary Greek:** *First Greek Book* (White). Xenophon, *Anabasis* (Goodwin and White.) Prose Composition (Pearson).

5 periods, through the year.

2. **Xenophon,** *Anabasis*, continued through Book IV. Prose Composition continued. Reading at sight and systematic study of Greek Grammar (Goodwin).

5 periods, through the year.

3. **Homer,** *Iliad* (Seymour), 4 books. *Stories from Herodotus* (Keep). Study of Greek Grammar continued, with particular attention to the irregular verbs of Attic prose.

4 periods, through the year.

ENGLISH.

* 1. **Grammar and Composition:** Abbreviations and contractions. Correct use of words. Parts of speech. Parts and kinds of sentences. Punctuation. Study of words and their derivations. Letter-writing. Story-writing. Memorizing poetry.

The work is based upon Longman's *Junior Grammar.*

* 2. **Readings:** Irving, *The Legend of Sleepy Hollow;* Bryant, *Sella;* Cooper, *The Spy;* Emerson, *Poems* (selections); Hawthorne, *The Snow-Image;* Longfellow, *The Courtship of Miles Standish* and *Elizabeth;* Whittier, *Poems*, (selections); Poe, *The Gold Bug;* Holmes, *Poems* (selections); Lowell, *A Good Word for Winter.*

* 3. **Outside Readings:**

(*a*) Biography: Field, *Yesterdays with Authors;* Hans Anderson, *Story of My Life;* Irving, *Washington* (abridged).

(*b*) History: Fiske, *War of Independence;* Dickens, *A Child's History of England.*

(*c*) Nature Study: A. B. Paine, *Hollow-Tree and Deep-Woods Book;* Ernest Thompson-Seton, *Wild Animals I Have Known* and *Lives of the Hunted;* R. Jefferies, *Life of the Fields.*

(*d*) Poetry: Stevenson, *A Child's Garden of Verses;* Macaulay, *Lays of Ancient Rome;* Shakespeare, *Mid-*

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* English prescribed for Grammar Grade.

Summer Night's Dream; Bryant, *Family Library of Poetry and Song* (selections).

(*c*) Fiction: Defoe, *Robinson Crusoe*; Bunyan, *Pilgrim's Progress;* Lamb, *Tales from Shakespeare;* Ruskin, *King of the Golden River*; Hale, *A Man without a Country;* Hawthorne, *Wonder Book* and *Tanglewood Tales;* Alcott, *Little Women* and *Little Men;* Kingsley, *Greek Heroes;* Mrs. Gaskell, *Cranford.*

The *Heart of Oak* series of LiteraryReaders and *An Introduction to the Study of American Literature* by Brander Mathews are used in this department.

Certificates will be awarded to those students who complete satisfactorily all the *outside readings* recommended to the members of this department. To be considered competitors for this honor, students must enter their names with the instructor not later than the first day of November ; must submit, promptly at stated times, note books conforming to the instructor's definite directions concerning the work, and must attain an average standing not lower than eighty-five per cent in tests written in class. Note books and papers will be examined by a Committee of Award not later than the third week in May.

The presentation of this certificate excuses a student from examination in English for the next higher class.

A Prize will be given to that student whose notebook upon the *outside readings* best merits commendation for (1) neatness, (2) orderly and intelligent arrangement, (3) the number and appropriate character of pictures illustrative of these readings. The prize will be a valuable edition of an American poet.

1. **Principles of Composition:** Story of the English language. Form of Paragraph. Form of Sentence. Punctuation. Practice in Paragraph writing. Practice in Sentence writing.

Required in first year.

2 periods, through the year.

2. **Literature:** (*a.*) Cooper, *Last of the Mohicans;* Thomas, *Selections from Irving;* Longfellow, *Evangeline;* Whittier, *Snowbound.*

Required in first year.

2 periods, through the year.

(*b.*) Whittier, *Favorite Poems*; Hawthorne, *Letters;* Thoreau's *Succession of Forest Trees*, *Wild Apples* and *Sounds;* Holmes, *My Hunt after the Captain* and *Favorite Poems;* Stowe, *Oldtown Folks;* Miss Wilkins, *A New England Nun;* J. T. Field, *Yesterdays with Authors;* Mrs. Field, *Whittier;* Fiske, *War of Independence;* Scudder, *George Washington;* Griffis, *Pilgrims in their Three Homes.*

Required home reading.

(*c.*) Cooper, *Deerslayer;* Irving, *Sketch Book*, S. Longfellow, *Life of Longfellow;* Franklin's *Autobiography;* Hawthorne, *Snow Image* and *David Swan;* Whittier, *The Tent on the Beach;* Holmes, *Autocrat of the Breakfast Table;* Burroughs, *Birds and Bees;* Stowe, *Uncle Tom's Cabin;* Poe, *Fall of the House of Usher;* Lincoln, *Speeches* (in *Little Masterpieces*); Lucy Larcom, *New England Girlhood.*

Suggested home reading.

1. **Principles of Composition:** Paragraph structure. Sentence structure. Figures of speech. Choice of words. Outline-work. Description. Practice in ten-minute themes. Narration.

Text-book used is *Writing in English*, by Maxwell and Smith.

Required in second year.

2 periods through the year.

2. **Literature:** (*a.*) Lowell, *Vision of Sir Launfal;* Coleridge, *Ancient Mariner;* George Eliot, *Silas Marner;* Lowell, *My Garden Acquaintance;* Goldsmith, *Vicar of Wakefield;* Shakespeare, *Merchant of Venice* and *Julius Cæsar.*

Required in second year.

2 periods, through the year.

(*b.*) Lowell, *A Good Word for Winter*, *A Moosehead Journal*, and *At Sea;* G. W. Curtis, *James Russell Lowell;* Emerson, *Representative Men* (selections); Scott, *Lady of the Lake* and *Lay of the Last Minstrel;* Byron, *Prisoner of Chillon;* Burns, *Cotter's Saturday Night*; Irving, *Goldsmith*; Coleridge, *Favorite Poems*; Wordsworth, *Favorite Poems;* Dorothy Wordsworth, *Journal*; Defoe, *Robinson Crusoe*; Swift, *Gulliver's Travels.*

Required home reading.

1. **Principles of Composition:** Outline-work. Narration. Practice in ten minute themes.

Text-book used, is Mead's *Practical Composition and Rhetoric.*

2. **Literature:** (*a.*) Carlyle, *Essay on Burns*; Scott, *Ivanhoe*; Tennyson, *Princess*; Burke, *Speech on Conciliation*; Addison, *Sir Roger De Coverley Papers*; Shakespeare, *Macbeth.*

Required in third year.

2 periods, through the year.

(*b.*) George Eliot, *Adam Bede*; Dickens, *David Copperfield*; Thackeray, *Newcomes* or *Vanity Fair*; Car-

lyle, *Choice of Books*; Lamb, *Essays from Elia*; Southey, *Favorite Poems*; Pope, *Rape of the Lock*.

Required home reading.

1. Principles of Composition and Rhetoric: Outline-work. Theme structure. Exposition.

Text-book used is Mead's *Practical Composition and Rhetoric*.

Required in fourth year.

1 period, through the year.

2. Literature: (*a.*) Macaulay, *Essays on Milton* and *Addison*; Pope, *Iliad*; Milton, *Poems*.

Required in fourth year.

2 periods, through the year.

(*b.*) Milton, *Paradise Lost*, (Books I. and II.); Burns, *Poems* (selections); Stevenson, *Treasure Island* or *New Arabian Nights*; Jane Austen, *Pride and Prejudice*; Cervantes, *Don Quixote* or Hugo, *Les Misérables*.

Required home readings.

FRENCH.

Course I. Muzzarelli, *Academic French Course*. First Part: Study of the regular and the commoner irregular verbs. Easy translation of English into French. Whitney's *Introductory French Reader*. Fables memorized.

5 periods, through the year.

Course II. Muzzarelli, *Brief French Course*. Study of irregular verbs. English into French. Bercy, *La Langue Francaise*. Fables memorized. Lamartine, *Graziella*; Ducoudray, *Histoire de France*.

5 periods, through the year.

Course III. Whitney, *Practical French Grammar*; Syntax. Blouet, *Primer of French Composition*; La Fontaine, *Select Fables*; Marmir, *Le Protègé de Marie Antoi-*

nette; Michelet, *La Prise de la Bastille*; Belfoud, *La France Litéraire au XIX. Siècle.* Dictation.

4 periods, through the year.

GERMAN.

Course I. Grammar (Joynes and Meissner), Part 1. Reading: Easy stories, as Grimm's *Märchen;* Heyse, *L'Arrabbiata*; Storm, *Immensee;* Von Hillern, *Höher als die Kirche*; Zschokke, *Der zerbrochene Krug*; Baumbach, *Die Nonna.* Prose Composition (Bernhardt). Conversation based upon text. Poems memorized. Dictation.

5 periods, through the year.

Course II. Grammar (Joynes and Meissner) completed. Reading:

(*a*) Easy narrative prose continued: as Hauff, *Das kalte Herz*; Heyse, *Das Madchen von Treppi*; Frommel, *Eingeschneit;* Riehl, *Das Spielmannskind*, *Der stumme Katsherr;* Benedix, *Die Hochzeitsreise.*

(*b.*) Introduction to German Classics: Schiller, *Wilhelm Tell*, *Das Lied von der Glocke.* Prose composition (Bernhardt), completed. Constant practice in written and oral abstracts of texts read. Poems memorized (Mueller's *Gedichte*). Dictation, conversation.

5 periods, through the year.

Course III. Grammar reviewed. Reading:

(*a.*) Modern Prose: Auerbach, *Brigitta*; or Baumbach, *Der Schwiegersohn.*

(*b.*) Continuation of study of the classics: Schiller, *Jungfrau von Orleans*, or *Maria Stuart*; Lessing, *Minna von Barnhelm*; Goethe, *Hermann und Dorothea.*

(*c.*) Literature: Keller's *Bilder aus der deutschen Literatur*. Prose composition (Harris), Selections, Parts II., III., IV. Constant discussion of text. Oral and written abstracts. Lectures.

4 periods through the year.

MATHEMATICS.

1. Algebra. The student must have had a course in arithmetic equivalent to that given in the best grammar schools. The work for the first year will be elementary algebraic equations, the fundamental operations, factoring, fractions, equations of the first degree with one or several unknown quantities, powers and roots.

Required in first year.

5 periods, through the year.

2. Algebra. Theory of exponents, radicals, quadratic equations, inequalities, ratio and proportion, progressions, binomial theorem for positive and negative exponents. In connection with this work there will be a review of the Metric System.

Required in second year.

5 periods, through the year.

3. Plane Geometry. Much time will be spent in solving original exercises, numerical problems and examples of loci.

Required in third year.

4 periods, through the year.

4. Algebra. After Plane Geometry is completed, a review of Courses 1 and 2, logarithms, variation, permutations and combinations.

Required in fourth year.

2 periods, through the year.

PHYSICS.

1. A preliminary survey of the general properties of matter, followed by a more careful study of the general principles of Mechanics and Hydrostatics. This course is *supplemented by the use of many and varied numerical problems*, and requires a knowledge of Algebra and Plane Geometry.

Required in fourth year.

4 periods, first semester.

2. Heat, Light, Sound and Electricity.

Required in fourth year.

4 periods, second semester.

Both courses include a series of laboratory exercises selected from the list of those recommended by the Uniform College Entrance Examination Board of the Middle States and Maryland. The Preparatory School is thoroughly equipped with the Physical apparatus necessary for this course of study.

ANATOMY, PHYSIOLOGY AND HYGIENE.

1. This course is conducted by lectures. Its purpose is to instil intelligent ideas of sanitary conditions, based upon practical knowledge of plumbing, drainage and ventilation. Hints will be given in regard to the protection of health at home and abroad, particularly in the matter of observing the laws of quarantine, personal, municipal, and maritime. Laboratory methods are employed. and, where possible, tests are made of the purity of water, milk and food. A manikin, models of the eye, ear, brain, throat and other organs, a skeleton and an abundance of charts facilitate clear demonstrations of the

matter treated in the lectures. The department is in charge of a graduated physician.

Required in fourth year.

1 period, through the year.

HISTORY.

1. **English History** (Montgomery), with maps, compositions and biographical sketches.

Required in first year.

3 periods, through the year.

2. **Mythology** (Guerber).

Required in first year.

1 period, through the year.

3 **General History** (Myers), including the Ancient East, Greece and Rome to 476 A.D., with maps, compositions, questions for research and biographical sketches.

Required in third year.

1 period, through the year.

BIBLE.

1. **Stories from the Old Testament.**

Scripture selections are memorized in connection with these lessons.

Required in first year.

1 period, through the year.

2. **The Beginnings of Hebrew History.**

This course carries forward the history of the Children of Israel from the Exodus to the settlement in Canaan.

Required in second year.

1 period, through the year.

3. **The Period of the Judges.**

Required in third year.

1 period, first semester.

4. **The United Kingdom.**
   Required in third year.
   1 period, second semester.

5. **The Divided Kingdom.**
   Required in fourth year.
   1 period, first semester.

6. **The Captivity and Restoration.**
   Required in fourth year.
   1 period, second semester.

PHYSICAL TRAINING.

Systematic training in the gymnasium is required of all resident students unless excused for physical reasons. Class instruction to day students is optional and is given without extra charge. All the exercises are carefully graded and adapted to the special needs of young women, and are necessary for good health and muscular development. Each student is examined by the director with reference to physical development before being admitted to classes, and further examinations are made during the year.

The gymnasium is a large, well ventilated building, equipped with chest weights, rowing machines, balance swing and other apparatus.

The exercises embrace the Swedish system of gymnastics, Delsarte exercises, fancy steps, marching, exercises with dumb bells, wands, Indian clubs, rings and bounding balls.

Basket ball, indoor and outdoor, is played by organized teams. The regulation gymnasium shoes and suit prescribed by the director must be worn by all admitted to the gymnasium.

Outdoor exercise is also greatly encouraged by the director. A basket ball field and an excellent tennis court furnish opportunities for outdoor sports.

ELOCUTION.

Private instruction is given in Elocution, including breathing, tone placing, development and control of voice, emphasis, rhythm and exercises to acquire a clear, distinct articulation.

Studies in dialect, pathetic, humorous and dramatic recitations, and selected scenes from Shakespeare are included in advanced work.

GENERAL INSTRUCTIONS.

Any student desiring to pursue the study of Music and Art in connection with the Preparatory Course should allow one year longer for its completion.

Students may be admitted to the Preparatory School for fewer than the required number of hours per week, but Latin or Mathematics must be selected among the subjects. French and German will not be assigned until after one year's work in Latin.

Certificates will be granted to all who satisfactorily complete the course as given in the Preparatory School, and these certificates will pass students without conditions into the Freshman Class.

The session for recitations is from a quarter of nine in the morning until two o'clock in the afternoon, with thirty minutes for luncheon, and every student in the Preparatory Course is expected to remain through the session.

Day students who desire it may have their luncheons with the resident students at a small charge.

Students of the Grammar Grade ordinarily are dismissed before luncheon.

PREPARATORY STUDENTS.

Fourth Year.

Baggaley, Anabel Whitney,	Pittsburgh.
*Bole, Alice Amelia,	"
*Garrison, Josephine,	"
*Gray, Edith,	"
*Knox, Juliet Helen,	Ben Avon.
Krebs, Margaret Dorothy,	Pittsburgh.
*Martin, Ruth,	"
*Monro, Alice,	"
Moore, Helen Carlisle,	Edgewood Park.
Purvis, Florence,	Butler.
Sproull, Madge,	Pittsburgh.
*Woods, Helen,	"

Third Year.

Demmler, Gertrude O.,	Allegheny.
Flaccus, Alice C.,	Ben Avon.
Garber, Emma J.,	Pittsburgh.
Hill, Jean McClure,	"
*Johnson, Bessie DePuy,	"
Jolly, Marion Delena,	Carrick.
*Kennedy, Anna,	Uniontown.
*Marshall, Alma,	East Liverpool, O.
Miller, Bessie,	Duquesne.
*McClelland, Rachel Pears,	Pittsburgh.
*McClelland, Sarah Collins,	"
McClintock, Elsie Thompson,	"
McClintock, Jeannette Lowrie,	"
McKee, Ellen Blanche,	Wilkinsburg.
O'Donnel, Ruth Leigh,	Pittsburgh.
Patterson, Helen,	"
Quaill, Roberta,	Bellevue.
*Stevenson, Violet,	Pittsburgh.
*Stuart, Ruth,	"
Torrence, Alice,	"
Wilson, Emma,	"
*Wilson, Fannie,	"
Wilson, Helen,	"
*Wylie, Clara I.,	Wilkinsburg.

*One condition.

Second Year.

Aiken, Harriet C.,	Pittsburgh.
Armstrong, Mary,	"
Austin, Elizabeth,	Denver, Col.
Barrett, Elizabeth C.,	Bellevue.
Beckwith, Anna M.,	Wilkinsburg.
*Bennett, Estelle,	Pittsburgh.
Brown, Edith,	"
Christy, Melzina,	Carnegie.
Clark, Julia L.,	Pittsburgh.
*Cleavenger, Adele,	Wilkinsburg.
Cooper, Katharine,	Parker, Pa.
Donaldson, Elizabeth,	Wilkinsburg.
*Ellis, Acsa,	Pittsburgh.
*Fox, Isabel, D.,	"
Gillespie, Eleanor D.,	"
Grant, Ruth H.,	"
Greene, Agnes H.,	"
Hargrave, Myrtle,	"
*Hunter, Bessie,	"
Husband, Irene,	Mt. Pleasant.
*Jones, Edna B.,	Pittsburgh.
Lappe, Emma C.,	"
Leatherman, Jeannette,	"
*Marshall, Nancy G.,	"
Miller, Sue W.,	Duquesne.
Moreland, Florence G.,	Pittsburgh.
*Mueller, Marie,	"
McLean, Wilma,	Pittsburgh.
*McMillen, Edith,	Allegheny.
Rea, Marjory,	Pittsburgh.
*Renshaw, Isabella D.,	"
Roberts, Margaret C.,	"
Robinsteen, Lois N.,	"
Shoemaker, Dorothy,	"
Spencer, Kate A.,	"
Stanton, Anna B.,	"
Stevenson, Grace,	Coraopolis.
*Stevenson, Helen V.,	Pittsburgh.
Stewart, Mary A.,	Wilmerding.

*One condition.

Trauerman, Elsie W.,	Allegheny.
Wenke, Kate,	Pittsburgh.
Wenke, Margaret,	"
Wheler, Winifred,	Edgewood Park.
Wigley, Grace,	Pittsburgh.
*Wood, Corbie,	"
Wilkinson, Florence,	Beaver.

First Year.

*Aiken, Mildred Lewis,	Pittsburgh.
Aiken, Marion Louise,	"
Armstrong, Winifred,	"
Barbour, Isabel,	"
Baxmyer, May,	"
Beers, Lulu,	"
Bennett, Laura,	"
Bixler, Irma,	"
Bliss, Bessie M.,	"
Claus, Mary,	"
Cochran, Helen,	Peoria, Ill.
*Colvin, Lelia,	Allegheny.
Craig, May,	Pittsburgh.
Darragh, Hazel,	"
Diehl, Virginia,	"
Edwards, M. Winona,	Braddock.
*Englert, Harriet,	Pittsburgh.
Gantner, Florence,	"
Geyer, Edna,	Allegheny.
Gilson, Agnes,	Pittsburgh.
Haney, Caroline,	"
Haslett, Isabel,	"
Havekotte, Dorothy	Allegheny.
Hays, Margaret,	Pittsburgh.
Herriott, Alice,	"
Hespenheide, Edith,	Allegheny.
Hofman, Edna,	Pittsburgh.
Householder, Florence,	"
*Kendall, Marguerite,	Pittsburgh.
*Kerr, Marion,	Edgewood Park.
King, Jennie Belle,	Pittsburgh.

*One condition.

Klein, Birdie,	Allegheny.
Kreps, Elma,	Pittsburgh.
Kress, Elsie,	"
Leard, Blanche,	Sewickley.
*Lee, Josephine,	Allegheny.
*Leighton, Leone,	Braddock.
*Lowry, Edith,	Pittsburgh.
Milliken, Margaret,	"
Morrison, Lillie,	"
Mugele, Rena,	"
McDonald, Helen,	Woodlawn.
*McFarlane, Edith,	Pittsburgh.
McGinnis, Nellie,	Wilkinsburg.
McMillen, Mary,	Allegheny.
Normecutt, Aimee,	Pittsburgh.
Osborne, Grace G.,	West Newton.
Parker, Josephine,	Parker.
Prenter, Mae,	Pittsburgh.
Reed, Matilda,	"
Ritchey, Frances,	"
Roberts, Jeane,	"
Rowlen, Jean,	"
Sands, Margaret,	"
Shaner, Fannie,	Aspinwall.
Slocum, Laura,	Pittsburgh.
*Sprague, Bertha,	Wilkinsburg.
Steen, Willa,	Woodville.
Townsend, Elizabeth,	Pittsburgh.
Watterson, Nellie,	"
Wright, Clara,	"

*One Condition.

IRREGULAR STUDENTS.

Brown, Ethel,	Belle Vernon.
Cannon, Sara Louise,	Swissvale.
Capel, Emilie,	Pittsburgh.
Fife, Jessie,	Millvale.
Flynn, Anita,	Pittsburgh.
Goeddel, Margaret,	"
Grimm, Edna Pearl,	Franklin.
Hamilton, Mary,	Pittsburgh.
Lappe, Myrtle,	Pittsburgh.
Mercer, Mary,	Allegheny.
Musselman, Elsie,	Middletown.
Norris, Mabel,	Chicago, Ill.
McGee, Phyllis,	Wampa, Idaho.
Packer, Mabel,	Pittsburgh.
Smith, Vera,	"
Treat, Grace,	"
Wick, Helena,	New Bethlehem.

GRAMMAR GRADE.

Aikens, Edith J.,	Edgewood Park.
Aschman, Dorothy B.,	Pittsburgh.
Askin, M. Ethel,	"
Booth, Georgia,	"
Friel, Katharine,	"
Gabel, Lulu,	"
Gilleland, Kathrene,	Wilkinsburg.
Gray, Frances,	Pittsburgh.
Hagan, Martha E.,	"
Hayes, Nellie R.,	"
Hazlett, Marie,	"
Hemphill, Elizabeth,	"
Jenkins, Edith,	"
Jenkins, Marguerite,	"
Lysinger, Irene,	Wilkinsburg.
Marshall, Sara H.,	Pittsburgh.
Martin, Dorothy,	"
McCracken, Elizabeth,	"
McEwan, Sallie R.,	"
McGogney, Mabel,	Wilson.

NAYLOR, MARGARET,	Wilkinsburg.
ROLLINGS, JEAN,	Crafton.
SCOTT, MARGARET,	Pittsburgh.
STEVENSON, MARY,	"
WARD, ESTELLE,	"
WELCH, NELLIE,	Wilkinsburg.
WHITEHOUSE, BERTHA,	Pittsburgh.
WILKINS, CORA B.,	Wilkinsburg.

Recapitulation.

Fourth Year,	12
Third Year,	24
Second Year,	46
First Year,	61
Irregular Students,	17
Grammar Grade,	28
Total,	188

SCHOOL OF MUSIC.

Course of Study in Piano.

Students completing the full course will receive testimonials of Musical Scholarship after passing a test examination.

First Year.

Instruction in the rudiments of Music and Notation. Formation of the touch, using Plaidy's *Technical Studies* and Weik's *Method.* Simple Scales, Lebert and Stark, Vol. I., and easy pieces by Duvernoy, Heller, Reinecke and Lichner. Sonatines by Clementi and Kuhlau.

Second Year.

Music Tonality and the Grammar of Music.

Technical course will embrace Plaidy's *Simple Technique*, Scale Studies, Etudes of Czerny, and the *Schule der Technique*, Vol. I.; Lebert and Stark, Vol. II,; *Phrasing Studies* by Heller, and pieces from Jensen, Heller, Mozart, Mendelssohn, Reinecke, and selections from the *Sonaten Studien*, by Kohler.

Third Year.

Sight reading.

Schule der Technique, finishing Book I., and commencing Book II.

Gradus ad Parnassum, by Clementi, arranged by Karl Tausig, Etudes by Heller, Jensen and Moscheles. Selections from the preludes of Chopin and Heller. Sonatas by Haydn, Beethoven and Schubert.

Pieces from Chopin, Schumann, Mendelssohn, Field, Liszt; and selections from the *Alte Meisters*, as arranged by Paner and Saint-Saëns.

Harmony: Richer or Allrechtsberger methods.

FOURTH YEAR.

A Normal Year—Technical Course. The *Schule der Technique*, Vol. III. Lebert and Stark, selections from Books III. and IV. *Octave Schule* of Kalluk. Wm. St. Bennett, op. 11. Selections from Bach's works, as arranged by Reinecke. Sonatas and concertos of the Old Masters. Pieces from Chopin, Rubinstein, Liszt, Weber, Schumann, Saint-Saëns, Mendelssohn and Beethoven.

Sixteen Pianos are available for practice, and all practice is under the supervision of a competent assistant.

Course of Study in Organ.

Organ tuition as a companion study to the Piano has long been regarded with favor by pedagogues of both the past and present, and it has been decided to add this study to the general curriculum. Its value as tending to eliminate impurities of touch and style in Piano playing has been asserted by no less an authority than Schumann, the opinion having found expression in his well known *Maxims*.

In this department *The Organ*, a theoretical and practical treatise by Frederick Archer, will be used as the text book, followed by selections from the English, French and German Schools.

Arrangements have been made for the use, by students of Organ, of a good instrument belonging to one of the city churches.

Course of Study in Violin.

First Year.

Instruction in the proper position of the body, bow, left hand and arm. Production of tone with the bow and correct action of the fingers of the left hand. Studies in the first position for intonation, rhythm and various bowings.

Easy pieces with accompaniment of piano. Duets for two violins.

Second Year.

Exercises in the first to third position. Studies in bowing and left hand technique by Kayser, Dont, Sevcik.

Scale Studies by Shradieck.

Pieces by Dancla, Sitt, Papini and others.

Third Year.

Studies in the higher positions and pieces employing them. Twenty-four studies by Dont from the *Gradus ad Parnassum*,

Fourth Year.

Studies by Kreutzer. Special studies in bowing by Sevcik. Book I, Op. 36 by Sauret. Viotti concertos. Concertino by David. De Beriot concertos.

Fifth Year.

Studies by Fiorillo and Rode. Book III. Op. 36 by Sauret. Concertos by Viotti, Rode, Kreutzer and David.

Concert pieces by Sauret, Wieniawski and Vieuxtemps.

Additional Work in Violin.

Twenty-four *Matinees* by Gavienees. Twenty *Grands Etudes* by Sauret. Twenty-four Etudes, Op. 35 from *Gradus ad Parnassum* by Dont. Twelve Etudes by Minkons. Twenty-four Caprices by Paganini. Six solo sonatas by J. S. Bach. Concertos by Spohr, Mendelssohn, Beethoven, Vieuxtemps, Wieniawski. Sonatas by Corelli, Bach, Handel, Tartini, Mozart and Beethoven. Concert pieces by Leonard, Alard, Ernst, Saint Saëns and others.

Course of Study in Voice Culture.

Instruction in vocal music consists of half hour private lessons, and class drills in which all voice pupils are expected to take part.

The Italian method of voice building is employed, special attention being given to correct breathing, tone production, phrasing and clear enunciation.

Marchesi's *Art of Singing* is assigned for technical work, in connection with "*Vocalizes*" by Marchesi, Abt, Concone, Luetgen and other eminent composers, as the advancement of the student justifies.

The course of instruction is designed to establish a repertoire in Church, Concert, Oratorio and Operatic Music, versatility being recognized as of the essence of vocal accomplishment.

A Choral Class meets once a week under the direction of the instructor in vocal music. The class is free to any students desirous of joining, the only obligation being prompt and regular attendance at the rehearsals and concerts which take place during the year.

SCHOOL OF ART.

A large well lighted studio is supplied with the best models and casts.

All work done in the studio has for its object the development of a feeling for art. The method taught is that of Mr. Arthur W. Dow, whose theory of composition is that form, light and shade, perspective, color and clay should be used simply as material for the composition as a whole. In persuance of this, charcoal, pencil, and pen and ink from still-life, casts, nature and life, and later, water color, oil and pastel are used.

The equipment of the studio includes the magazine called "The International Studio."

The elements of portrait painting are given if desired, also miniature painting on ivory.

No definite time is fixed for completing the art course, as progress must vary according to individual effort and ability, and advancement is guaged thereby.

The methods employed are the same as those used in the most advanced schools of art, and a thorough knowledge of the fundamental principles of drawing is taught.

During the spring and autumn, classes are formed for outdoor sketching.

A medal is awarded, after two years' study, to the student showing the greatest mastery of the subject, provided the work is up to the required standard.

STUDENTS IN
PIANO, ORGAN, VOICE, ART AND ELOCUTION.

PIANO.

Austin, Elizabeth,
Baker, Edith,
Barrett, Elizabeth C.,
Bell, Bessie,
Bixler, Irma,
Brown, Ethel,
Cochran, Helen,
Douglass, Mary,
Edwards, Winona,
Friel, Katharine,
Foster, Sydney,
Flaccus, Alice,
Husband, Irene,
Gilleland, Kathrene,
Gillespie, Eleanor,
Holmes, Gertrude,
Kendall, Marguerite,
Musselman, Elsie,
Keil, Helen M.,
Lee, Josephine,
Lowry, Edith,
Marshall, Alma,
Martin, Dorothy,
Martin, Ruth,
Marsh, M. Leona,
Monro, Alice,
Morrow, Maud,
McClintock, Jeannette,
McGee, Phyllis,
McGogney, Mabel,
McNall, Minnie,
Norris, Mabel,
Osborne, Grace,
Parker, Josephine,
Quaill, Roberta,
Riddile, Mary Judson,
Robinson, Lois,
Rollings, Jean,
Robinsteen, Lois,
Townsend, Elizabeth,

ORGAN.

Riddile, Mary Judson,

VOICE.

Brown, Ethel,
Douglass, Mary,
Friel, Katharine,
Hall, Lotta,
Hay, Ruth,
Martin, Ruth,
Musselman, Elsie,
Mitchell, Buhla,
McNall, Minnie,
McSherry, Jennie,
Pew, N. Elizabeth,
Robinson, Lois,
Smith, Vera,

ART.

Anschutz, Elsa,
Aschman, Dorothy,
Cannon, Louise,
Capel, Emilie,
Foster, Sydney,
Hemphill, Elizabeth,
Leard, Blanche,
McDonald, Helen,
Musselman, Elsie,
Steen, Willa,
Wigley, Grace,

ELOCUTION.

Fitzgibbon, Eleanor,
Kendall, Marguerite,

GENERAL RECAPITULATION.

College,	50
College Preparatory,	188
Music only,	10
Art only,	1
Total,	249

EXPENSES AND TERMS.

Day Students.

	PER YEAR.
Tuition—Collegiate,	$110.00
Preparatory (including Grammar Grade),	100.00
One Study only,	35.00
Use of Library, Collegiate Students,	2.00

Resident Students.

	PER YEAR.
Tuition,	$110.00
Table Board,	150.00
Room rent, including light, heat and furnished room,	$70–140.00
Use of Library,	2.00
Pew rental, Presbyterian church,	5.00
Other denominations at church rates.	
Lecture fee, per year,	3.00
Washing plain pieces, per dozen, 50 cents.	
Washing dresses extra.	
Board during Christmas vacation, per week, $7.00	
Key to letter box,	1.00

Music Department.

	PER TERM.
Piano—Two ½-hour lessons each week.	$50.00
One ½ " " " "	30.00
Voice—Two ½-hour lessons each week,	50.00
One ½ " " " "	30.00
Use of Piano, three periods, daily practice,	10.00
Harmony,—Class of four, one hour per week, each student,	25.00
History of Music—In classes,	10.00
Ensemble Playing and Sight-reading—Class of four, for one period a week, each student,	25.00

	PER TERM.
Violin, Professor's prices,	
Guitar, " "	
Organ—One hour each week,	$50.00

Art Department.

	PER TERM.
Painting—Oil or Water Color—8 hours per week,	$35.00
Drawing—Pencil or Crayon—8 hours per week,	35.00
Portrait and Minature Painting, 8 hours per week,	50.00

Department of Elocution and Physical Culture.

	PER TERM.
Elocution, private lessons, 2 lessons a week,	$50.00
Physical Culture, in classes of four, twice a week, each student,	25.00
Physical Culture, private lessons, twice a week,	50.00

Extra Charges.

Laboratory fee, per year (biology class),	$15.00
" " " " (chemistry class),	15.00
" " " " (physics class),	5.00
Luncheon—single,	.25
" five tickets,	1.00

Instruction in class gymnastics, class elocution and choral music is included in the tuition fee.

Books, stationery, and sheet music are furnished at regular prices.

All bills for boarding, tuition and extras are due one-half on first day of the year and the remainder February 1st. The payment must be made before the student may take her place in the the class room, unless special arrangement has been made with the President. All checks should be made payable to Henry A. Breed, Treasurer, and sent to Rev. Chalmers Martin, D.D., Pennsylvania College for Women, Pittsburgh, Pa.

It is understood that all arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

As engagements with instructors and other provisions for the education of students are made by the College for the entire year in advance, *no deduction can be made in the charge for tuition for either resident or day students.*

A liberal deduction on charges for tuition and room will be allowed to the daughters of ministers of all denominations and of professional teachers.

No degrees will be conferred unless all bills due to the College by the candidate have been paid.

The telephone being for College business purposes, no student will be called to the telephone, nor will any message be delivered, except in cases of illness or similar urgency.

APPLICATION FOR ROOMS.

All applications will be registered and rooms not engaged by former students will be assigned according to the date of application. The bed rooms are generally arranged for two students, and are comfortably furnished. Single rooms require an additional fee. There are no undesirable bed rooms in the College buildings. Any information concerning the rooms will be given upon application to the Secretary.

A deposit of ten dollars is necessary to secure a room. This amount will be credited on the first payment, or will be refunded if a wish to relinquish the room is made known before August 15.

Each applicant will be furnished with a copy of the Regulations, which must be signed by her and her parent or guardian, and returned with the room deposit.

Resident students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for resident students from *the date at which they had engaged to enter their daughter or ward until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness, when the loss for board and room will be equally shared.*

All unnecessary wear of carpets, furniture, etc., is charged to the students occupying the room.

ROUTES AND CONVEYANCES.

The College is reached from the center of the city by any of the lines of electric cars running out Fifth Ave., which carry passengers to the College entrance, Woodland Road; or by cabs at the stations, which will convey passengers to the door of the College.

Strangers on arriving in the city at Union Depot may obtain all needed information by inquiring of the Excelsior Express and Standard Cab Company, which also delivers baggage at the College. Students entering the city on the Penna. R. R. will find it a convenience to check all baggage to the East Liberty Station.

Expressage.

All express matter to students should be sent *prepaid* by *Adams Express* to *East Liberty Station, Penna.*, otherwise added expressage is charged for conveyance from city office to the College.

SCHOLARSHIPS.

The Helen E. Pelletreau Scholarship.

A fund has been raised by the Alumnæ to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved President of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Mrs. Charles L. Taylor, Irving Place, 5533 Ellsworth Avenue, Pittsburgh.

The Mary Hawes Nevin Scholarship.

To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the class of 1896, her family have given the sum of $6,000.00 to establish a scholarship to bear her name, and thus prepetuate the memory of her beautiful life and her interest in young women ambitious of the advantage of a college course.

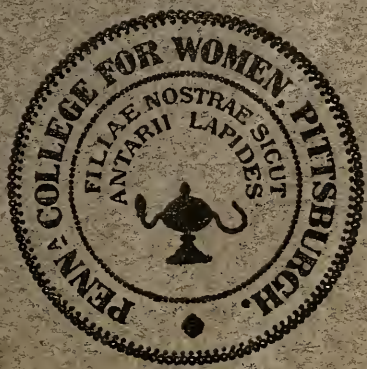
Scholarships in Biology.

By the generosity of two friends of the College two scholarships in the summer school of Biology carried on by the Marine Biological Laboratory at Wood's Holl, Mass., were provided for the year, 1901-1902.

One of these was awarded to Miss Helen Barlow Dickey during the summer of 1901; the other is still available for the current year.

THIRTY-THIRD . . .
ANNUAL CATALOGUE.
1902-1903. . . . .

Pennsylvania College for Women.



THIRTY-THIRD

ANNUAL CATALOGUE.

Pennsylvania College for Women.

PITTSBURGH, PA.

1902-1903.

SMITH BROTHERS,
FRANKLIN PRINT, 405 GRANT STREET,
PITTSBURGH.

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CALENDAR FOR 1903.

JANUARY.

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CALENDAR FOR 1904.

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CALENDAR.

1902.		
15–16 Sept.	Monday–Tuesday,	Examinations for Admission.
16 Sept.	Tuesday,	First Semester begins—Enrollment.
17 Sept.	Wednesday,	Recitations begin.
27 Nov.	Thursday,	Thanksgiving Day.
17 Dec.	Friday, 12 M.,	Christmas Vacation begins.
1903.		
5 Jan.	Monday, 6 P. M.,	Christmas Vacation ends.
27 Jan.	Tuesday,	Examinations begin.
2 Feb.	Monday,	Second Semester begins.
12 Feb.	Thursday,	Day of Prayer for Colleges.
9 Apr.	Thursday, 12 M.,	Spring Vacation begins.
20 Apr.	Monday, 6 P. M.,	Spring Vacation ends.
16 May	Saturday,	May Day Fête.
4 June	Thursday, 3 P. M.,	Closing Exercises of the Preparatory School.
4 June	Thursday, 4 P. M.,	Annual Meeting of Trustees.
4 June	Thursday, 8 P. M.,	Annual Concert.
5 June	Friday,	Annual Meeting of the Alumnæ.
6 June	Saturday, P. M.,	Class Day.
7 June	Sunday,	Baccalaureate Sermon.
8 June	Monday,	Commencement.
14–15 Sept.	Monday-Tuesday,	Examinations for Admission.
15 Sept.	Tuesday,	First Semester begins—Enrollment.
16 Sept.	Wednesday,	Recitations begin.
26 Nov.	Thursday,	Thanksgiving Day.
18 Dec.	Friday, 12 M.,	Christmas Vacation begins.
1904.		
4 Jan.	Monday, 6 P. M.,	Christmas Vacation ends.
28 Jan.	Tuesday,	Examinations begin.
1 Feb.	Monday,	Second Semester begins.
7 June	Monday,	Commencement.

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Rev. R. S. Holmes, D. D., LL. D.,
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Rev. W. P. Shrom, D. D.,
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Rev. R. M. Russell, D. D.,
David McK. Lloyd,
Charles Lockhart,
Robert Pitcairn,
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Lawrence Dilworth,
William H. Rea,
Mrs. C. H. Spencer,
Rev. H. D. Lindsay, D. D.,
Rev. T. H. Robinson, D. D.,
J. R. Sterrett, Esq.

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Vice President, - - - Rev. R. M. Russell, D. D.
Secretary and Treasurer, - Henry A. Breed.

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Committee on Library and Apparatus.

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THOS. M. ARMSTRONG.

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FACULTY.

1902-1903.

President,

REV. CHALMERS MARTIN, A. M., D. D.

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Professor Emeritus, Greek and Latin.

JANE B. CLARK, A. M.,

Mathematics.

EMMA M. JEWETT, A. B.,

History and History of Art.

MARY W. BROWNSON,

Bible.

ALICE T. SKILTON, A. B.,

German Language and Literature.

CAROLINE MORRIS GALT, A. B.,

Greek and Latin.

DOROTHY A. HAHN, A. B.,

Chemistry and Biology.

JOSEPHINE P. DEVALLAY,

French Language and Literature.

ELLA A. KNAPP, Ph. D.,

English Language and Literature.

ETHEL GORDON MUIR, Ph. D.,

Philosophy and Political Science.

*COLLEGE PREPARATORY SCHOOL.

JANET L. BROWNLEE, *Principal*,
Mathematics.

ANNA M. HAMILTON, A. B.,
Latin.

ARABELLE MARCH, A. B.,
English.

MARTHA C. DAMPMAN,
English.

ELIZABETH B. ARMSTRONG, A. B.,
History.

GEORGETTE DE VALLAY,
French and German.

MARTHA LANG DUFF,
Assistant in Preparatory School.

LAURA CAROLINE GREEN, A. B.,
Latin.

GARNETT E. FULTON, M. E. L.,
In Charge of Grammar Grade.

ELIZABETH B. KRATZ,
Elocution and Physical Training.

*Assistance is also rendered in the instruction of the Preparatory School by Misses Clark, Brownson, Galt and Hahn, of the College Faculty, in Mathematics, Bible, Greek and Physics respectively.

SCHOOL OF MUSIC.

JOSEPH H. GITTINGS,
Piano.

EDWARD J. NAPIER,
Voice and Organ.

E. N. BILBIE,
Violin.

MARY JUDSON RIDDILE,
In Charge of Practice.

SCHOOL OF ART.

JANE W. BOSTWICK,
Director.

JANE M. THURMAN, A. M.,
Registrar and Secretary.

MRS. S. A. UMSTOT,
Matron.

The Pennsylvania College for Women, Pittsburgh, Pa.

THE PENNSYLVANIA COLLEGE FOR WOMEN was founded in the year 1869. The purpose of its founders was to provide for Pittsburgh, and all the extensive region of which it is the natural center, an institution in which women might receive the higher education under distinctively Christian influences. The better to secure this end the government of the College is vested by its charter in a Board of Trustees of whom two-thirds must be members of some branch of the Presbyterian Church. The study of the Bible has always been emphasized, and is now required through the whole course. All students are required to attend morning prayers, and all resident students are expected to be present at evening prayers and to attend church at least once on Sunday. A Young Women's Christian Association is maintained by the students in conjunction with the faculty, and there are opportunities for voluntary Bible study and various forms of Christian and philanthropic work. But while the College is thus unequivocally Christian, it has never been sectarian either in the management or in its constituency. Students are permitted to attend churches of their own faith as far as practicable.

The College is situated in the East End of Pittsburgh, about four miles from the City Hall and in the center of the choicest residence district which the city contains. It has convenient access by electric cars both to the busi-

ness sections and the parks and suburbs. The campus is a finely shaded tract of eleven acres, embracing a hill crest on which the buildings are situated. The plot owned by the College is part of one many times as large, containing the homes of a few families of wealth. The only entrance to this tract is by a private road, and as there are no fences between the several properties, the College is practically located in a large private park, thus securing abundance of space and air, wide view, and opportunities for outdoor sports, combined with a delightful and wholesome privacy not easy to command in a great city. Indeed it is safe to say that few situations combine the advantages of city and country to a degree equal to that of the Pennsylvania College for Women.

The buildings of the College are large and handsome and well adapted to their purpose. They are so disposed as to receive the sunshine on all sides in the course of the day. Their position on a hill top makes them always dry. They are fitted with the best sanitary plumbing, heated by steam, and lighted with gas. They are three in number, but so connected as practically to be one, so that no exposure to the weather is involved in passing from one to another. Berry Hall is mainly devoted to dormitories and public rooms for the use of the faculty and resident students, though it also contains the library, class-rooms and a large study-hall. Dilworth Hall is chiefly devoted to the chapel and assembly hall, class-rooms, laboratories, and art studio. The Music Hall contains a spacious gymnasium on the first floor, and on the second ample rooms for musical instruction and practice. The college can at present accommodate not more than one hundred resident students. As nearly all the members of the faculty live in the College, there is made possible a frequency and closeness of contact between

professors and students, and a community of interest approaching that which obtains in a well ordered home, which, while not curtailing the reasonable liberty of the student, cannot fail to be of the highest advantage.

Among other benefits which inure to the College by reason of its position in the heart of a great city is its nearness to the Carnegie Institute, with its splendid Library, containing 125,000 volumes; its Museum, rich in collections in zoology, paleontology, ethnography and the mechanic arts; its Art Gallery, which besides maintaining a valuable permanent collection of paintings draws examples of the best work of living artists in this country and abroad to its annual prize exhibitions; and its fine Music Hall, at which are offered opportunities second to none in the land to hear the best music rendered by the most eminent artists of the world. The Institute can be reached from the College in fifteen minutes, and all its privileges except those in music, and some even of these, may be freely enjoyed by the students.

REQUIREMENTS FOR ADMISSION.

Applicants for admission to the Freshman Class, must be at least sixteen years of age. Registration blanks will be provided by the College on application. These blanks, properly filled and signed, must be received by the President before September 1st. A registration fee of five dollars will be charged. This will be credited on the first payment for tuition, or speedily refunded if notification of withdrawal is sent before August 15th. No student will be entered for examination or accepted on certificate before the payment of this fee.

All applicants for admission, whether to the Freshman Class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character. Those who come from other Colleges must also bring certificates of honorable dismission. Admission to the Freshman Class may be gained either by examination or by presentation of certificate from an approved High School or Academy. Each of these methods is outlined below.

Admission on Examination.

Applicants for admission may be examined either during the week preceding Commencement or on September 14th and 15th. Those who wish to be examined in June should notify the Registrar before June 1st; those who wish to be examined in September, before September 7th.

Admission on Certificate.

Students from such high schools and academies as may be approved by the Faculty are admitted to the Freshman Class without examination, on the presentation of certificates showing that they have completed the

requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Registrar during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly, the equivalents offered must be stated in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all the requirements. Students received on certificate are regarded as upon probation during the first semester, and those deficient in preparation may be dropped whenever the deficiency has been clearly demonstrated.

Admission to Advanced Standing.

Students seeking admission to an advanced grade may be examined in all prescribed studies antecedent to that grade, as well as in the elective studies necessary for the full quota of hours, but full credit will be given to such certificates as they bring from their previous instructors. No one is admitted to the Senior Class after the beginning of the second semester.

Admission to Special Courses.

Students may be received to take special studies for which their previous education has fitted them, but those who have not fulfilled all the requirements for matriculation must satisfy the faculty as to their preparation for the courses they desire to pursue.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS.

I. Languages (Other Than English).

(1) Latin.

(These requirements are based upon the recommendations of the American Philological Association.)

a. i. LATIN GRAMMAR: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

ii. LATIN COMPOSITION: Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.

b. CÆSAR: Any four books of the *Gallic War*, preferably the first four.

c. CICERO: Any seven orations from the following list, but preferably the first six mentioned, (Manilian Law being accepted as the equivalent of two orations):

The four orations against Cataline, Archias, Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.

d. VERGIL: The first six books of the *Æneid.*

Pronunciation after the Roman method is preferred. Equivalents will be accepted, but verse will not be considered a substitute for prose, nor will anything be

accepted for translation of English into Latin. An examination in sight reading will be given.

For (*b*) may be substituted the work required in Course 2, in the Latin course of the Preparatory School. (See p. 56.)

(2) *If Physics be offered, a three years' course in one of the following languages, and if Physics be not offered, an additional course of at least one year in a second is required:*

(*a*) **French.** The entrance requirements in French correspond to the three years' course offered in the Preparatory School. (See page 62.)

The examination in French is intended to test the candidate's knowledge of pronunciation and ordinary grammatical forms as well as her power to read at sight ordinary French prose and verse. Three years, five hours per week, will be required for preparation, which should include constant exercise in translating English into French.

(*b*) **German.** The entrance requirements in German correspond to the three years' course offered in the Preparatory School. (See page 63.)

An equivalent amount of reading will be accepted.

Students must be able to translate ordinarily difficult German at sight, and to translate simple connected prose from English into German.

A thorough knowledge of German grammar will be required, and the ability to express one's self in German and to follow a recitation conducted in that language.

Frequent practice is recommended in oral and written abstracts of texts read, and in memorizing selected passages.

(*c*) Greek.

(These requirements are based upon the recommendations of the American Philological Association.)

a. i. GREEK GRAMMAR: The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

ii. GREEK PROSE COMPOSITION, consisting principally of detached sentences to test the candidate's knowledge of grammatical construction.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

b. XENOPHON: The first four books of the *Anabasis*.

c. HOMER: The first three books of the *Iliad* (omitting II. 494–end).

An examination in sight reading will be given, based on passages from the *Anabasis*.

II. English.

The requirement in English is that recommended by the Conference on Uniform Entrance Requirements in English for Middle States and Maryland.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom, or division into paragraphs.

a. READING.—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the examination

paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. The candidate is expected to read intelligently all the books prescribed. She is not expected to know them minutely, but to have fresh in mind their most important parts. **In every case knowledge of the book will be regarded as less important than the ability to write good English.** In preparation for this part of the requirements, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:

1902: Shakespeare's *Merchant of Venice;* Pope's *Iliad*, Books I., VI., XXII., and XXIV.; The *Sir Roger De Coverley Papers* in The Spectator; Goldsmith's *The Vicar of Wakefield;* Coleridge's *The Ancient Mariner;* Scott's *Ivanhoe;* Cooper's *The Last of the Mohicans;* Tennyson's *The Princess;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner.*

1903, 1904, 1905: Shakespeare's *The Merchant of Venice* and *Julius Cæsar;* The *Sir Roger De Coverley Papers* in The Spectator; Goldsmith's *The Vicar of Wakefield;* Coleridge's *The Ancient Mariner;* Scott's *Ivanhoe;* Tennyson's *The Princess;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner;* Carlyle's *Essay on Burns.*

b. Study and Practice.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form, and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the

leading facts in these periods of English literary history to which the prescribed works belong.

The books set for this examination will be:

1902 to 1905: Shakespeare's *Macbeth;* Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso;* Burke's *Speech on Conciliation with America;* Macaulay's *Essays on Milton and Addison.*

Attention is called to the following recommendations of the Conference on Uniform Entrance Requirements in English:

1. That English be studied throughout the elementary and secondary school courses, and, when possible, for at least three periods a week during the four years of the high school course.

2. That the prescribed books be regarded as a basis for such wider courses of English study as the schools may arrange for themselves.

3. That where careful instruction in idiomatic English translation is not given, supplementary work to secure an equivalent training in diction and in sentence structure be offered throughout the high school course.

4. That a certain amount of outside reading, chiefly of poetry, fiction, biography and history, be encouraged throughout the entire school course.

5. That definite instruction be given in the choice of words, in the structure of sentences and of paragraphs, and in the simple forms of narration, description, exposition, and argument. Such instruction should begin early in the high school course.

6. That systematic training in speaking and writing English be given throughout the entire school course. That, in the high school, subjects for composition be

taken partly from the prescribed books and partly from the student's own thought and experience.

7. That each of the books prescribed for study be taught with reference to

a. The language, including the meaning of words and sentences, the important qualities of style, and the important allusions;

b. The plan of the work, i. e., its structure and method;

c. The place of the work in literary history, the circumstances of its production, and the life of its author.

That all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

III. Mathematics.

(1) ALGEBRA. Elementary operations, radicals, theory of exponents, inequalities, quadratic equations, ratio, proportion, variation, arithmetic and geometric progressions, permutations and combinations, binomial theorem for positive, negative and fractional exponents, and logarithms.

(2) PLANE GEOMETRY, complete. Wentworth or Wells, first five books.

IV. Science.

Physics, Carhart and Chute, *Elements of Physical Science*, or equivalent. Laboratory work consisting of at least 40 experiments taken from the manual must be shown by note book certified by the instructor to be the original work of the student. As noted above, one year of a third language may be substituted for Physics.

V. History.

a. United States and English History.

b. Greek and Roman History to 476 A. D.

Either a or b may be offered for entrance requirement in History.

For further details see the history courses offered in the Preparatory School (page 66.)

REQUIREMENTS FOR GRADUATION.

Extensive changes in the curriculum were put in force with the beginning of the Academic year 1901-1902. Previous to that time the College had provided two courses of study, leading to the degrees of A. B. and B. L. respectively. Beginning with the Academic year 1902-1903, the B. L. course was merged into the A. B. course, which now offers a much wider choice of elective studies than was previously permitted.

The course of study is as follows:—

In order to graduate, students must have pursued a course of sixty-one (61) year hours, distributed between prescribed and elective work in the proportion of thirty-seven (37) and twenty-four (24) respectively. By a year hour is meant a course of one hour per week pursued through an academic year, or its equivalent. A course of two hours per week continued through one semester, for example, would constitute such an equivalent. The prescribed work includes the following courses:—

Latin—Courses 1, 2.

English—Courses 1, 2, 3, 7.

Other Language—A total of eight year hours in one or two of the following languages:

French
or
German
or
Greek.

Mathematics.—Course 1.

Science:

Chemistry—Courses 1.
or
Biology—Courses 1, 2.

History—Courses 1, 2.

Philosophy—Courses 1, 2, 3.

Bible—Course 1.

The elective work must be distributed among the courses offered in the several years as specified in the following tabular statement:

TABULAR STATEMENT OF CURRICULUM.

Freshman Year.	Hrs.	Sophomore Year.	Hrs.	Junior Year.	Hrs.	Senior Year.	Hrs.
Latin, Course 1, 2.	4	English, Course 3.	1	English, Course 7.	2	Philosophy, Course 3.	1½
English, Courses 1, 2.	3	French, or German, or Greek.	4	Philosophy, Courses 1, 2.	2½	Bible, Course 4.	1
French, or German, or Greek,	4	Science, History, Courses 1, 2.	4	Bible, Course 3.	1	Elective.	12½
Mathematics, Course 1.	4	Bible, Course 2.	1	Elective.	9½		
Bible, Course 1.	1	Elective.	2				
Total	16	Total	15	Total	15	Total	15

GENERAL INSTRUCTIONS.

No student will be enrolled as a member of any class if her conditions exceed what may be made up in one year by a single recitation daily.

The faculty retains the option of forming a class in any elective except upon application of six students.

EXAMINATIONS.

Examinations are ordinarily held at the close of a semester, but may be held at other times at the discretion of the professor. Students who fail to present themselves for examination at the appointed time may secure private examinations only on the payment of a fee, and request for such examination must be preferred through the President.

COURSES OF INSTRUCTION.

GREEK.

1. **Grammar and Prose Composition:** *First Greek Book* (White).

Xenophon, *Anabasis* (Goodwin and White).

4 periods, through the year.

2. **Xenophon,** *Anabasis* continued through Book IV.

Homer, *Iliad* (Seymour), Books I., II., and III.

Greek Prose Composition (Pearson).

4 periods, through the year.

Courses 1 and 2 are open to students not offering Greek in College preparation. Course 2 open to students entering College with one year of Greek as a third language.

3. **Plato,** *Apology* and *Crito.*

Greek Prose Composition.

Private Reading, Xenophon, *Memorabilia*, Books I. and II.

4 periods, first semester.

4. **Homer,** *Odyssey.* Two books will be read consecutively. The epic will be studied as a whole from the literary standpoint. Homeric life and antiquities will be studied in detail.

Greek Prose Composition.

Private Reading, Demosthenes, *Philippic, I., Olynthaics, I.—III.*

4 periods, second semester.

5. **Lysias,** Selected orations (Wait). Collateral reading on the Attic Orators, Legislative Bodies and Law Practice in Athens.

Greek Prose Composition.

Private Reading, Isocrates, *Panegyricus.*

Not offered in 1903-4.
4 periods, first semester.

6. **Aeschylus,** *Prometheus Bound* (Mather), **Sophocles,** *Œdipus Tyrannus* (Earle). Private reading on the archæology of the drama, (actors, costumes, buildings, etc.).

Greek Prose Composition.

Private Reading, Euripides, *Medea.*

Not offered in 1903-4.
4 periods, second semester.

7. **History of Greek Literature:** Lectures with private reading assigned in Greek and English.

Elective.
2 periods, through the year.

8. **Herodotus,** (Selections), or **Xenophon,** *Cyropaedea;* rapid reading.

Elective.
3 periods, one semester.

9. **Aristophanes,** *Frogs* or *Clouds.* **Lucian,** Selected dialogues.

Elective, open to Juniors and Seniors.
2 periods, one semester.

10. **Advanced Greek Prose:** Constructive study of Greek syntax and style.

Elective, advised for those intending to teach Greek.
2 periods, one semester.

NOTE.—Oral examinations on the courses in private reading are held at the end of each semester.

LATIN.

1. **Livy,** Books XXI. and XXII. (Westcott).

Latin Prose Composition (Gildersleeve).

Private Reading, Vergil, *Æneid, Books VII. and VIII.*

Required of Freshmen.
4 periods, first semester.

2. **Horace,** *Odes and Epodes* (Shorey).

Latin Prose Composition (Gildersleeve).

Private Reading, Cicero, *de Senectute.*

Required of Freshmen.
4 periods, second semester.

3. **History of Latin Literature:** Lectures with private reading assigned in Latin and English.

Elective.
2 periods, through the year,

4. **Tacitus,** *Annals* (Allen).

Private Reading, Pliny, *Selected Letters.*

Elective.
3 periods, first semester.

5. **Horace,** *Satires and Epistles* (Rolfe). **Juvenal,** *Satires* (Duff).

Private Reading, Tacitus, *Germania.*

Elective.
3 periods, second semester.

6. **Cicero,** *Letters* (Abbott).

Elective.
2 periods, through the year.

7. **Latin Comedy:** Selected plays of **Plautus** and **Terence.**

Elective, open to Juniors and Seniors.
2 periods, one semester.

8. **Advanced Prose Composition:** Constructive study of Latin syntax and style.

Elective, advised for those intending to teach Latin.
2 periods, one semester.

NOTE.—Oral examinations on the courses in private reading are held at the end of each semester.

ENGLISH LANGUAGE AND LITERATURE.

1. **English Composition:** Daily themes with exercises in the principles of Description, Narration and Exposition.

Required of Freshmen.
2 periods, through the year.

2. **English Literature:** Introductory course, which aims to train the student in intelligent reading of selected literature, to awaken interest in the best literature, and to cultivate an appreciation of literary form. Essays, topical recitations, and collateral reading.

Required of Freshmen. Open to Special Students.
1 period, through the year.

3. **Rhetoric:** Systematic study of prose form, with practice in the analysis of essays and arguments. Four reviews of standard books and eight essays in popular exposition.

Required of Sophomores.
1 period, through the year.

4. **English Literature and Rhetoric:** Study of the principles of structure in selected fiction, and in epic, lyric, and dramatic masterpieces. A correlate of course 7, designed for students who propose to elect special courses in literature or language.

Elective for Sophomores and Special Students.
2 periods, first semester.

5. **English Literature:** The Nineteenth Century; essays and collateral reading.

Elective, open to five or more Special Students, at the opening of either semester. Those who elect course 5 are expected to take English 1 and 2, and are advised to take History 5 and 6.

2 or 3 periods, one semester.

NOTE.—Credit is not given for *one* semester's work in *year*-courses.

6. (*a*) **Old English and Chaucer:** Introductory course in the study of the English language. Elementary lessons in Old English as a basis of the pronunciation and reading of Chaucer. Pre-requisites, English 1 and 2.

Elective.
2 periods, first semester.

6. (*b*) **Old English:** Cynewulf's *Elene;* Grammar of Old English (Sievers–Cook); lectures on the history of the English language.

Elective, open to Students who have passed 6 (a).
2 periods, second semester.

7. **The History of English Literature:** The development of our literature from the *Beowulf* to Tennyson; a study of the masterpieces of English. Pre-requisites: English 1, 2 and 3. History 5 and 6 (See page 42,) and English 4 are recommended as preliminary electives.

Required of Juniors; open to those who have completed courses 1, 2 and 3.
2 periods, through the year.

8. **The Principles of Argumentation:** Study of argumentative writing; preparation of briefs; and practice in debate.

Elective, open to Juniors and Seniors.
2 periods, first semester.

9. (*a*) **The History of Literary Criticism.**

(*b*) **The Interpretation of Literature.** Pre-requisites: English 1, 2, and 4.

Elective, open to Juniors, Seniors and Graduates.
2 periods, second semester.

10. Shakspere:

(*a*) The English Drama before Shakspere.

(*b*) The development of Shakspere's mind and his progress in the mastery of dramatic technic. Lectures, essays, and discussions upon ten of the plays.

Elective, open to Seniors and Graduates.
3 periods, first semester.

11. (*a*) **Seminary in English Literature since 1832.**

(*b*) **Seminary in American Literature.**

Elective, open to Seniors and Graduates. Students may choose either a or b. Those planning to elect course 11 are advised to take course 4 in Philosophy. (See page 46.)
3 periods, second semester.

12. Teachers' Course.

(*a*) Historical English Grammar.

(*b*) Methods of teaching English; observation of methods in use in the secondary schools; conferences.

Open to teachers.
Hours to be arranged with the instructor.

FRENCH.

The instruction in this department is so planned that a student who pursues the study of French for four years has an opportunity to study every period in French Literature from the mediæval to the modern.

1. Grammar: Whitney. A thorough drill in verbs. **Reading:** Colin, *Contes et Saynettes;* Labiche et Martin, *Le Voyage de Monsieur Perichon;* Sandeau, *Mademoiselle de la Seiglière;* About, *La Mère de la Marquise;* Michelet, *La Prise de la Bastille;* La Fontaine, *Fables.*

Open to students who have offered no French at entrance.
4 periods, through the year.

2. Grammaire francaise: Leclair et Rouzé, *Cours Supériéur.* Drill in letter writing, short lectures on the formation of the French language. Easy English translated into idiomatic French; dictation. Reading: Daudet, *Lettres de Mon Moulin;* Madame de Sévignè, *Lettres;* Merimée, *Colomba;* Bernadin's *Morceaux choisis des classiques français du XVIII ieme siècle*, with short lectures and recitations.

Open to students who have had course 1, or its equivalent.
4 periods, through the year.

3. Histoire de la Litterature francaise: Texts: F. Brunetière, R. Doumic. Lectures on the formation of the French Language. Reading: *La Chanson de Roland, Aucassin et Nicolette;* Biographies of Christine de Pisan, Villon, Marot, Ronsard, with selections from their works. Brief study of l'Ecole de la Pléiade, its influences.

Elective, open to Freshmen who have offered three years of French at entrance.
3 periods, through the year.

4. Precursors of the French Romantic School: Biographies of and selections from Madame de Staël,

Rousseau, Chateaubriand. French composition; English translated into French. Dictation.

Elective, open to students who have had course 3 or its equivalent.

3 periods, through the year.

5. Lectures on the origin and development of the **French Language and Literature,** down to the XVIth Century. Biographies of Balzac, Malherbe, Voiture, Descartes, L'Hotel de Rambouillet, its influence. The Moralists: Larochfoucauld, Calvin, Pascal, Bossuet. Classical tragedy: critical study of the works of Corneille, Racine.

Elective, open to students who have had courses 3 and 4, or their equivalent.

3 periods, through the year.

6. Lectures and recitations on the **Literature of the XIXth Century.** The Comedy: Molière, La Fontaine, Voltaire, La Henriade, Boileau, L'Art Poétique, Le Lutrin, selected *Epitres* and *Satires*, V. Hugo, *La Légende des Siècles.*

Elective, open to students who have had course 4, or its equivalent.

3 periods, through the year.

7. **The French Theatre of the XIXth Century:** A rapid reading course. Composition based upon works read. Topics will be assigned for reports, French to be used in all reports and discussions in the class.

Elective, open to studeuts who have had course 4, or its equivalent.

3 periods, through the year.

8. **Advanced French Prose:** Selected passages from English authors translated into French. Thorough

study of syntax, idioms, and synonyms, using Larousse, *Grammaire littéraire.* Composition.

Elective, advised for those who wish to teach French.

2 periods, through the year.

9. Current Events Related in French: Historical subjects assigned for discussion. Historical novels read out of class discussed. General conversation. This course is strictly conversational.

Elective, open to students who have had courses 6 and 7, and who are taking course 8.

1 period, through the year.

NOTE.—All classes are conducted in French. Students are expected to speak French in class.

GERMAN.

1. Elementary German: Thomas' German Grammar. Reading of easy narrative prose, as Grimm's *Märchen;* Heyse, *L'Arrabbiata;* Gerstäcker, *Germelshausen;* Von Hillern, *Höher als die Kirche;* Riehl, *Der Fluch der Schönheit;* Auerbach, *Brigitta.* Prose Composition. Conversation based upon text. Dictation. Poems memorized.

Offered to Freshman who have presented no German at entrance.

4 periods, through the year.

2. Introduction to the Study of German Classics: Schiller, *Wilhelm Tell*, *Jungfrau von Orleans*, *Balladen;* Lessing, *Minna von Barnhelm;* Goethe, *Hermann und Dorothea*, *Dichtung und Wahrheit.* Lectures upon the texts studied and the lives of the authors are given in German. Constant practice in oral and written abstracts

and discussion of the text. Advanced grammar. Prose Composition (Wenckebach).

Open to students who have taken course 1 or its equivalent.

4 periods, through the year.

3. German Classics Continued:

Lessing, *Nathan der Weise;* Schiller, *Wallenstein;* Goethe, *Iphigenia;* Scheffel, *Der Trompeter von Säkkingen*, *Ekkehard.* Lectures, Abstracts, Essays.

Elective for students who have taken College courses 1 and 2, or for Freshmen who presented German as second language at entrance.

3 periods, through the year.

For students electing this course as the required language work of the Freshmen or Sophomore year, an additional hour of German prose will be required. (See course 8.)

4. Goethe's Faust: Part 1. Selections from Part 2. Critical study of the Faust legend.

Elective, open to Juniors and Seniors who have taken courses 1, 2 and 3.

2 periods, second semester.

5. Course in Modern Novelists and Dramaitsts: Rapid reading of selected works from Sudermann, Auerbach, Dahn, Freytag, Hauptmann, Grillparzer, Von Kleist.

Elective, open to students who have taken courses 1, 2 and 3.

2 periods, through the year.

6. Outline of the History of German Literature from the earliest times to the nineteenth century. Textbooks used—Kluge's *National Literatur*, König's *Deutsche Literatur;* Sherer's *Literatur* used for refer-

ence. Recitations and lectures are supplemented by rapid reading of passages selected from the authors studied, of which written or oral abstracts are required and class discussion. Among texts read and discussed are selections from *Das Niebelungen Lied*, *Parsifal*, *Gudrun*, and the works of Hans Sachs, Luther, Klopstock, Wieland, Lessing, Goethe, Schiller.

Elective, open to students who have taken at least courses 1, 2 and 3.

3 periods, through the year.

7. German Literature of the Nineteenth Century: Course VI. continued. Same text-books used. Supplementary reading of the best modern novelists, dramatists, historians and poets.

Elective. Courses VI. and VII. may be abridged and taken in one year when considered practicable.

2 periods, through the year.

8. Advanced German Prose: Selected passages from English authors translated into German. Careful study of syntax, idioms and synonyms.

Elective, specially recommended to those who expect to teach German.

1 period, through the year.

NOTE.—German is, so far as practicable, the language of the class-room.

MATHEMATICS.

1. *a.* Solid and Spherical Geometry.

The exercises in Geometry include recitations from the text-book, original demonstrations of propositions, and the application of principles to numerical examples.

3 periods, first semester.

b. Higher Algebra.

Subject as treated in Taylor's *College Algebra.*

1 period, first semester.
2 periods, second semester.

c. Plane Trigonometry. (Wells.)

2 periods, second semester.
a, b and c required of Freshmen.

2. Spherical Trigonometry.

Elective.
2 periods, one semester.

3. Plane Analytic Geometry. (Bowser.)

The work consists of investigation of the properties of the right line, the circle and the conic sections.

Elective.
4 periods, one semester.

4. Differential Calculus.

Elective.
4 periods, one semester.

5. Integral Calculus.

Elective.
3 periods, one semester.

ASTRONOMY.

Descriptive Astronomy:

Elementary facts and principles with mathematical exercises. Location of the principal constellations. Opportunities given to view with the telescope the sun, moon, planets, stars and nebulæ. (Young's *General Astronomy.*)

Elective, open to all students who have taken required mathematics.

2 periods, through the year.

CHEMISTRY.

1. **General Inorganic Chemistry:** 4 periods a week. Laboratory work, 4 hours a week.

This course does not presuppose a knowledge of Chemistry. It consists of lectures and recitations on the history, occurrence, preparation and properties of the more important non-metallic and metallic elements. Class-room work is supplemented by work in laboratory where each student prepares and transforms the chief substances studied. The text-books used are Remsen's *College Text-book of Chemistry* and Keiser's *Laboratory Manual.*

4 periods, through the year.

NOTE.—This course (or courses 1 and 2 in Biology) required of Sophomores.

2. **Qualitative Analysis:** 3 periods a week. Laboratory work, 2 hours a week.

This course consists of lectures, reviews and laboratory work in Qualitative Analysis. Ample practice in identifying unknown substances is given to each student. The text-book used is A. A. Noyes' *Qualitative Analysis.*

Elective, open to students who have completed course 1.

3 periods, first semester.

3. **Quantitative Analysis:** 2 periods a week. Laboratory work, 2 hours a week.

Lectures and Laboratory work in gravimetric and volumetric methods.

Elective, open to students who have completed course 1.
3 periods, first semester.

4. **Organic Chemistry:** 5 periods a week. Laboratory work, 5 hours a week.

Typical organic compounds, their relations and transformations are studied. In the class-room the work is pursued by lectures and reviews. In laboratory the more simple organic compounds are first studied and the synthesis of more complex substances from these is then taken up. In every preparation attention is given to quantitative results. The text-books followed are Remsen's *Organic Chemistry* and Gattermann's *Practical Methods of Organic Chemistry*.

Elective, open to students who have completed course 1.
5 periods, second semester.

5. **Lectures on Theoretical Chemistry:** One hour through the year. In this course a systematic study is given to the Atomic, Kinetic and Electrolytic Theories of the constitution of matter.

Elective, open to students who have completed courses 1 and 4.
1 period, through the year.

6. **Advanced Organic Chemistry:** In this course two hours a week are devoted to lectures on General Methods in Organic Chemistry. Seven to ten hours weekly are spent in laboratory. The problem in laboratory is, in so far as the student is concerned, a problem in original research. To each student is given a complex organic compound whose empirical and structural formula it is her task to determine. This determination

involves the application of the most important laboratory methods used in organic research, such as combustions, molecular weight determinations, etc.; and is carried on independently by the student. After the correct solution of this problem, opportunity is offered the student of starting a problem in original work.

Elective, open to students who have completed courses 1-5, inclusive.

5 periods, through the year.

BIOLOGY.

1. Comparative Anatomy of Vertebrates: 4 periods a week. Laboratory work, 4 hours a week.

COURSE *a*. Lectures are given on the skeleton, muscles, digestive, respiratory, nervous and urinogenital systems of the fish, frog, turtle, pigeon and rabbit as types of vertebrates. In laboratory these forms are carefully dissected, their skeletons are mounted, and correct drawings of different organs are made.

COURSE *b*. Six weeks' study of the embryology of the frog and chick supplements Course *a*. The work is conducted by lectures and charts and by laboratory work. Each student is given an opportunity to make a collection of sections of embryos at various stages of development.

The text-books followed in courses *a* and *b* are Parker and Haswell's *Text-book of Zoology*, Morgan's *Embryology of the Frog*, and Foster and Balfour's *Elements of Embryology*.

4 periods, first semester.

2. Systematic Invertebrate Zoology: 4 periods a week. Laboratory work, 4 hours a week.

This course consists of a comparative study of the amœba and other protozoa; of typical members of the following sub-kingdoms: Coelenterata, Platyhelminthes,

Nemathelminthes, Trochelminthes, Echinodermata, Annulata, Anthropoda; and of the forms Ascidian and Amphioxus. The text-books followed are Parker and Haswell's *Text-book of Zoology* and Hyatt's *Insecta*.

4 periods, second semester.

NOTE.—Courses 1 and 2 (or course 1 in Chemistry) required of Sophomores.

HISTORY.

1. The Mediaeval Period: An outline study of the history of Europe from the first century to the Feudal Age. The object of the course is to give a general survey of the political, social and ecclesiastical history of Europe from Augustus to Charlemagne. Particular attention is paid to the causes of the fall of Rome, to the Barbarians, and to the development of the Church. The work of the department is conducted by means of text-books, such as Duruy's *Middle Ages*, Emerton's *Introduction to the Middle Ages*, Andrew's *Institutes*, etc.; also by topical outlines, maps, essays and lectures.

Required of Sophomores.
3 periods, first semester.

2. The Mediaeval Period, (continued): An outline study of the history of Europe from the Feudal Age to the Renaissance. In this course particular attention is given to the dominating influence of the church; to Feudalism; to the formation of the European states; to the Holy Roman Empire and the Crusades. The work is conducted as in the first semester.

Required of Sophomores.
3 periods, second semester.

3. The Modern Period: A study of the history of Europe from the beginning of the Renaissance to the Treaty of Westphalia, 1648. This course is a special study of the political and religious history of Europe dur-

ing the Reformation, by means of biographies, topical outlines and lectures.

Elective, open to those who have completed courses 1 and 2.
3 periods, first semester.

4. **The Modern Period, (continued):** A history of Europe from the close of the Thirty Years War to our own times. Special attention is given to the rise of Prussia, to the French Revolution and the Napoleonic wars.

Elective, open to those who have completed courses 1, 2 and 3.
3 periods, second semester.

5. **English History:** The work of this course is an outline of general English History from the earliest times to the reign of Edward I. Texts, Gardiner's *Students' History*, Green's *History of the English People*. Maps, essays and library work are required.

Elective, recommended to Sophomores wishing to specialize in English Literature, but open to all students.
2 or 3 periods, first semester.

6. **English History:** This course is a continuation of course 5, from the reign of Edward I. to the present time.

Elective, open to those who have completed course 5.
2 or 3 periods, second semester.

7. **French History:** This is a course in general French History from earliest times and through the reign of Louis XIV. The work is conducted by means of text books, topical outlines, maps, essays and library work.

Elective, open to all students.
2 periods, first semester.

8. French History: This is a continuation of course 7, from the reign of Louis XIV to the present time.

Elective, open to those who have completed course 7.
2 periods, second semester.

9. English Constitutional History: This course embraces the Constitutional and Political History of England from the English migration to Britain to the reign of Edward I. The student's work is based on Stubb's *History of the English Constitution*, and involves the preparation of papers on assigned subjects.

Elective, open to Seniors who have had courses 5 and 6.
2 periods, first semester.

10. English Constitutional History: This course is a continuation of Course 9, and covers the Coustitutional and Political History of England to recent times.

Elective, open to Seniors who have had courses 5, 6 and 9
2 periods, second semester.

11. Private Life and Political Antiquities of the Greeks: This course treats of the environment of the ancient Greek life, its usages and occupations, its ideas and institutions. Based upon Duruy's *Greek History*, Guhl and Köner's *Private Life of the Greeks and Romans.*

Elective, open to Juniors ond Seniors.
2 periods, first semester.

12. Private Life and Political Antiquities of the Romans: This course is a continuation of course 11, and has the same treatment. The work is based upon Bury's *Roman Empire*, Duruy's *Roman History*, Gibbon's *Rise and Fall of the Roman Empire.*

Elective, open to Juniors and Seniors who have completed course 11.
2 periods, second semester.

HISTORY OF ART.

1. **History of Architecture:** This is an outline study of Egyptian, Asiatic and Greek Architecture, based upon Hamlin's *History of Architecture*, the study of photographs and collateral reading. Each student is required to make an illustrated note-book.

Elective, open to all students.
2 periods, first semester.

2. **History of Architecture:** This course is a continuation of the work of the first semester and is conducted in the same manner. The subjects considered are Early Christian, Byzantine, Romanesque and Gothic Architecture.

Elective, open to those who have had course 1.
2 periods, second semester.

3. **History of Sculpture:** This course provides for an outline study of Egyptian, Assyrian and Greek Sculpture, special attention being given to Greek Sculpture in the fourth and fifth centuries, B. C. The method of study is the same as in Architecture.

Elective, open to those who have had courses 1 and 2.
2 periods, first semester.

4. **History of Sculpture:** This course is a continuation of course 3, and takes up the study of Graeco-Roman, Early Christian, Renaissance and Modern Art.

Elective, open to those who have had courses 1, 2 and 3.
2 periods, second semester.

5. **History of Painting:** This course is an outline study of the Antique and Early Christian period of paint-

ing. The method of study is the same as in History of Architecture and Sculpture.

Elective, open to Juniors and Seniors.
2 periods, first semester.

6. **History of Painting:** This course is a continuation of course 5, and provides for an outline study of the Italian Renaissance and Modern Painting.

Elective, open to those who have had course 5.
2 periods, second semester.

PHILOSOPHY.

1. **Psychology:** The aim in this course is to give the student a knowledge of the laws and the phenomena of the mind, as well as to cultivate the power of thought. Text-book, James's *Psychology, Briefer Course.* References: Wundt, Kulpe, Titchener, Ladd and others.

Required of Juniors.
3 periods, first semester.

2. **Logic:** In this course effort is made to give the student a thorough knowledge of Logic as a science, and of the application of the Syllogism to the forms of deductive reasoning. Text-book, Creighton's *Introductory Logic.*

Required of Juniors.
2 periods, second semester.

3. **Ethics:** Mackenzie's *Manual of Ethics* is the text-book used in this course, but the students are referred to other works in order that they may be made acquainted with the leading systems of Ethics, and may also get a clear conception of the basis of obligation and the fundamental principles of morality.

Required of Seniors.
3 periods, first semester.

4. **History of Philosophy:** An introductory outline of Greek philosophy is followed by a study of the development of modern philosophy. The work of the course will include constant reference to the standard histories of philosophy.

Elective, open to all who have taken the required work in Psychology.

2 periods, second semester.

5. **History of Philosophy:** The subject of this course will be selected from year to year. Some philosophical movement or single work, such as Kant's *Critique of Pure Reason*, will be carefully and critically studied.

Elective, open to those who have taken course 4.

2 periods, first semester.

6. **Christian Evidences:** In this course the aim is to give a complete outline of the grounds upon which the Christian system rests, in order that the student may be made acquainted with the arguments for Theistic and Christian belief.

Elective, open to Seniors, Juniors and Sophomores.

2 periods, first semester.

POLITICAL SCIENCE.

(*a*) Political Economy.

1. **Elements of Political Economy:** General introductory course. Recitations and discussions on the basis of Bullock's *Introduction to the Study of Economics*.

Elective, open to Seniors and Juniors.

2 periods, first semester.

2. **Advanced Economics:** This course comprise as brief historical view of the subject and critical studies of the theory of value and wages.

Elective, open to those who have taken course 1.

2 periods, second semester.

(*b*) Social Science.

1. **Elementary Social Science:** An introductory course upon the nature and methods of Social Science, and upon certain social problems, such as those connected with the family, with race and immigration, and with the dependent classes.

Elective, open to Seniors and Juniors.
2 periods, second semester.

BIBLE.

1. **Studies in Hebrew History** from the Establishment of the Kingdom to the Fall of Jerusalem.

Required of Freshmen.
1 period, through the year.

2. **The Hebrew Prophets.** A careful study will be made of the historical setting of the books, the character of each prophet and his message to the people.

Required of Sophomores.
1 period, through the year.

3. **Historical Study of the Life of Christ.**

Required of Juniors.
1 period, through the year.

4. **The Establishment of the Christian Church.**

a. The Acts.

b. The Apostolic Letters.

Required of Seniors.
1 period, through the year.

5. **Historical Geography of the Holy Land.**

Elective, open to Juniors and Seniors.
1 period, first semester.

6. Modern Discoveries in Bible Lands.

Elective, open to Juniors and Seniors.

1 period, second semester.

7. Studies in Hebrew Poetry.

Elective, open to Seniors.

1 period, first semester.

EQUIPMENT.

Libraries: The College Library, housed in Berry Hall, contains twenty-eight hundred volumes. Students have access to its shelves from 8:15 A. M. to 9:30 P. M. daily. The collection is classified, and provided with a card-catalogue. It is the purpose of the officers of the college to collect and maintain a working library for every department of instruction; a thorough reorganization has augmented the working value of the books already on our shelves. Recently one hundred and thirty-five volumes have been purchased for the department of German language and literature, and about fifty titles of standard works have been added to the Classical and the French collection, respectively. The departments of Biblical literature, history of art, English literature, history, and psychology, are provided with the books in constant use, while those needed for occasional or special reference are easily accessible in the neighboring public library. The department of History of Art is further equipped with about four hundred mounted photographs for comparison and special study.

The Carnegie Public Library—distant ten minutes by direct trolley line from the College buildings—is, by courtesy of its directors, free to all resident students, and non-residents may, on the payment of a nominal fee, take out books from the circulating department. Valuable and recent collections for the study of Shakespeare,

modern literature, history, art, architecture, sociology, and political science, are accessible to the students of the College, many of the standard works being either upon open shelves or on the lists of circulating works.

Thus, students of the College have ready access to collections aggregating 128,000 volumes.

The College subscribes for fifty periodicals.

Laboratories. The Science department is located on the third floor of Dilworth Hall and is provided with a lecture room, chemical and biological laboratories. The laboratories have been remodeled recently, and are supplied with all modern apparatus necessary for the pursuit of the courses of study offered. The chemical laboratory is equipped with accurate chemical balances, boiling and freezing point apparatus and other facilities for careful quantitative work. Connected with the Chemical laboratory is a stock-room situated on the first floor of Dilworth Hall from which duty-free apparatus is lent to the student for use in the laboratory. This apparatus remains the property of the college and may be returned at any time; but if broken or used up the student is required to replace it. While no attempt is made to maintain a museum, students have access to a very good collection of minerals, specimens of the rarer elements and their compounds, and representatives of the less readily prepared organic substances. Collections of mounted skeletons illustrating the comparative osteology of typical vertebrates, of preserved and mounted zoological forms, and of charts and microscopical mounts supplement the laboratory equipment in Biology.

An observatory with Brashear reflecting telescope of 4½ in. aperture, equatorially mounted, and necessary charts and models are provided for students in astronomy.

COLLEGE STUDENTS.

Seniors.

Duff, Harriet Templeton,	Pittsburgh.
Fitzgibbon, Eleanor,	Carnegie.
Hunter, Anna Rogers,	Pittsburgh.
Johnstin, Ruth Frances,	London, Ohio.
McSherry, Jennie Emma,	Pittsburgh.
Petty, Anna Myra,	"
Pfeil, Sarah,	"
Sadler, Hilda Ridley,	"
Willson, Mary Grier,	Allegheny.

Juniors.

Blair, Nancy Brown,	Pittsburgh.
Carpenter, Elizabeth Roe,	Wilkinsburg.
Eggers, Rebekah,	Pittsburgh.
Gray, Jessie Callam,	"
McKee, Edna Garfield,	Allegheny.
Thomas, Helen C.,	Pittsburgh.
Young, Lida B.,	"

Sophomores.

Kerr, Harriett Bowen,	Edgewood Park.
Pew, Nancy Elizabeth,	Wilkinsburg.
Van Wagener, Florence,	London, Ohio.

Freshmen.

Fitzgibbon, Frances,	Carnegie.
Madtes, Verna Maud,	Sharpsburg.
Martin, Ruth,	Pittsburgh.
Moore, Helen Carlisle,	Edgeworth Park.
McClelland, Mary Beacom,	Pittsburgh.
McGeagh, Mabel Pearl,	"

McNitt, Willa Mayes, ...	Patterson.
Shrom, Laura Southard, ...	Pittsburgh.
Slutz, Gertrude, ...	"
Townsend, Virginia, ...	"
Welling, Margherita E., . . .	Allegheny.
Willson, Anna, ...	"

Special Students.

Graham, Ada, ...	Wheeling, West Va.
Gray, Edith, ...	Pittsburgh.
Miller, Hazel, ...	N. Manchester, Ind.
Snyder, Emma, ...	Wilkinsburg.
Watson, Jane S., ...	Frankfort, Ky.
Williams, Ruth L., ...	Pittsburgh.
Williamson, Anne St. C., ...	Edgewood Park.

Recapitulation.

Seniors, ...	9
Juniors, ...	7
Sophomores, ...	3
Freshmen, ...	12
Special Students, ...	7
Total, ...	38

Preparatory School.

The Preparatory School offers a four years' course of study, fitting students for entrance to colleges of the first rank. One year of Grammar Grade work is provided to supplement insufficient preparation on the part of applicants for admission.

Girls not less than twelve years of age who have passed successfully for the eighth year of the public schools ordinarily will be admitted to the preliminary year (called Grammar Grade) without examinations. Others may, at the discretion of the Faculty, be subjected to examination in Reading, Spelling, Arithmetic as far as Percentage, Geography and English Grammar (including the parts of speech and parsing of simple sentences).

Girls who have passed for admission to the high schools of Pittsburgh and Allegheny, or other high schools maintaining an equal standing, will be admitted without examination to the first preparatory year, provided they present satisfactory certificates to that effect. All others may be subjected to examination at the discretion of the Faculty.

Girls seeking admission to an advanced grade may be examined in all prescribed studies leading to that grade.

The scheme of studies in the Grammar Grade and the Preparatory School will be found on the two following pages.

GRAMMAR COURSE.

Mathematics.	English.	Elocution, etc.	History.	Geography.	Bible.	Total Number of Class Periods Per Week.
Arithmetic, beginning with Percentage. Arithmetic Completed. 5 hrs. Elementary Algebra. 3 hrs.	Grammar and Composition. 5 hrs.	Reading, Spelling, } 2 hrs. Writing. 2 hrs.	American History. 4 hrs.	Geography. 2 hrs.	Bible. 1 hr.	24

COLLEGE PREPARATORY COURSE.

Year.	Mathematics.	Latin.	Second Language.	*Third Language.	English.	History.	Bible.	Additional Subjects.	Total Number of Class Periods Per Week.
First Year.	Algebra. 5 hrs.	Latin Lessons. 5 hrs.			Principles of Composition, Literature. 4 hrs.	English History. 3 hrs.	Course 1. 1 hr.	Mythology. 1 hr. Drawing. 1 hr.	20
Second Year.	Algebra. 5 hrs.	Eutropius. Nepos. Cæsar. Gellius. 5 hrs.	Greek, French, or German. 5 hrs.		Principles of Composition, Literature. 4 hrs.		Course 2, 1 hr.		20
Third Year.	Plane Geometry. 4 hrs.	Cicero. 5 hrs.	Greek, French, or German. 5 hrs.		Principles of Composition, Literature. 2 hrs.	Grecian History. 2d semester. 3 hrs. Roman History. 3 hrs.	Courses 3, 4. 1 hr.		20
Fourth Year.	Review Algebra. 2 hrs.	Vergil. 4 hrs.	Greek, French, or German. 4 hrs.	Greek, French, or German. 4 hrs.	Rhetoric, Principles of Composition. Literature. 3 hrs.		Courses 5, 6. 1 hr,	Physiology. 1 hr.	61

* Physics may be substituted for the third language.

COURSE OF INSTRUCTION.

LATIN.

I. The Roman method of pronunciation is used. All quantities are observed from the first, both in pronunciation and writing. Correct and expressive reading of Latin aloud is practiced, with constant attention to quantity.

II. Special attention is given to synonyms and derivative endings as an aid to facility in reading at sight.

III. Exercises in Latin Prose Composition are of three grades: (*a*) prepared beforehand and brought to class in writing (*Latine Scribenda*); (*b*) prepared beforehand and recited orally (*Latine Dicenda*); (*c*) written or recited in class without previous preparation.

IV. A thorough preparation in English Grammar is considered necessary to obtain the best results in the study of Latin. All students must take a preliminary examination in English Grammar to test their readiness in this respect. Poetry will not be accepted as a substitute for prose reading.

1. **Elementary Latin:** *First Book in Latin*, (Tuell and Fowler.)

Required in first year.

5 periods, through the year.

2. **First Latin Readings** (Arrowsmith and Whicher), Eutropius, Nepos, Cæsar and Aulus Gellius. Careful study of construction. Practice in sight-reading. Geography of Roman world. Prose work in Collar's *Practical Latin Composition*, part III., to bottom p. 107. Allen and Greenough's *Latin Grammar* is used, and during

this year Tuell and Fowler's *First Book in Latin* is reviewed.

Required in second year.

5 periods, through the year.

3. **Cicero** (Allen and Greenough), seven orations. Continued attention to construction, to Roman Constitution, to argument and style of the orations. Practice in sight-reading. Collar, *Practical Latin Composition*, p. 108 through Part IV. General review of Latin Grammar.

Required in third year.

5 periods, through the year.

4. **Vergil** (Greenough and Kittredge), *Æneid*, six books, with prosody. Practice in sight-reading. Since the pupil is presumed by this time to be well-grounded in construction, this course is studied from a literary standpoint. Style, figures, descriptions and mythology are studied, and photographs of celebrated works of art are used to illustrate the poem.

Required in fourth year.

4 periods, through the year.

GREEK.

1. **Elementary Greek:** *First Greek Book* (White). Xenophon, *Anabasis* (Goodwin and White). Prose Composition (Pearson).

5 periods, through the year.

2. **Xenophon,** *Anabasis*, continued through Book IV. Prose Composition continued. Reading at sight and systematic study of Greek Grammar (Goodwin).

5 periods, through the year.

3. **Homer,** *Iliad* (Seymour), 4 books. *Stories from Herodotus* (Keep). Study of Greek Grammar continued,

with particular attention to the irregular verbs of Attic prose.

4 periods, through the year.

ENGLISH.

*1. **Grammar and Composition:** Abbreviations and contractions. Correct use of words. Parts of speech. Parts and kinds of sentences. Punctuation. Study of words and their derivations. Letter-writing. Story-writing. Memorizing poetry.

The work is based upon Longman's *School Grammar.*

*2. **Readings:** Irving, *The Legend of Sleepy Hollow;* Bryant, *Sella;* Cooper, *The Spy;* Emerson, *Poems* (selections); Hawthorne, *The Snow-Image;* Longfellow, *The Courtship of Miles Standish* and *Elizabeth;* Whittier, *Poems*, (selections); Poe, *The Gold Bug;* Holmes, *Poems* (selections); Lowell, *A Good Word for Winter.*

*3. **Outside Readings:**

(*a*) Biography: Field, *Yesterdays with Authors*; Hans Anderson, *Story of My Life;* Irving, *Washington* (abridged).

(*b*) History: Fiske, *War of Independence;* Dickens, *A Child's History of England.*

(*c*) Nature Study: A. B. Paine, *Hollow-Tree and Deep-Woods Book*; Ernest Thompson-Seton, *Wild Animals I Have Known* and *Lives of the Hunted;* R. Jefferies, *Life of the Fields.*

(*d*) Poetry: Stevenson, *A Child's Garden of Verses;* Macaulay, *Lays of Ancient Rome;* Shakespeare, *Mid-Summer Night's Dream;* Bryant, *Family Library of Poetry and Song* (selections).

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*English prescribed for Grammar Grade.

(*e*) Fiction: Defoe, *Robinson Crusoe;* Bunyan, *Pilgrim's Progress;* Lamb, *Tales from Shakespeare;* Ruskin, *King of the Golden River;* Hale, *A Man Without a Country;* Hawthorne, *Wonder Book* and *Tanglewood Tales;* Alcott, *Little Women* and *Little Men;* Kingsley, *Greek Heroes;* Mrs. Gaskell, *Cranford.*

The *Heart of Oak* series of Literary Readers and *An Introduction to the Study of American Literature* by Brander Mathews are used in this department.

Certificates will be awarded to those students who complete satisfactorily all the *outside readings* recommended to the members of this department. To be considered competitors for this honor, students must enter their names with the instructor not later than the first day of November; must submit, promptly, at stated times, note books conforming to the instructor's definite directions concerning the work, and must attain an average standing not lower than eighty-five per cent. in tests written in class. Note-books and papers will be examined by a Committee of Award not later than the third week in May.

The presentation of this certificate excuses a student from examination in English for the next higher class.

A Prize will be be given to that student whose notebook upon the *outside readings* best merits commendation for (1) neatness, (2) orderly and intelligent arrangement, (3) the number and appropriate character of pictures illustrative of these readings. The prize will be a valuable edition of an American poet.

1. Principles of Composition: Story of the English language. Form of Paragraph. Form of Sentence. Punctuation. Practice in Paragraph writing. Practice in Sentence writing.

Required in first year.
2 periods, through the year.

2. **Literature:** (*a.*) Cooper, *Last of the Mohicans;* Thomas, *Selections from Irving;* Longfellow, *Evangeline;* Whittier, *Snowbound.*

Required in first year.
2 periods, through the year.

(*b.*) Whittier, *Favorite Poems;* Hawthorne, *Letters;* Thoreau's *Succession of Forest Trees*, *Wild Apples* and *Sounds;* Holmes, *My Hunt after the Captain* and *Favorite Poems;* Stowe, *Oldtown Folks;* Miss Wilkins, *A New England Nun;* J. T. Field, *Yesterdays with Authors;* Mrs. Field, *Whittier;* Fiske, *War of Independence*; Scudder, *George Washington*; Lucy Larcom, *New England Girlhood*.

Required home reading.

(*c.*) Cooper, *Deerslayer*; Irving, *Sketch Book*; S. Longfellow, *Life of Longfellow*; Franklin's *Autobiography*; Hawthorne, *Snow Image* and *David Swan;* Whittier, *The Tent on the Beach*; Holmes, *Autocrat of the Breakfast Table*; Burroughs, *Birds and Bees*; Stowe, *Uncle Tom's Cabin*; Poe, *Fall of the House of Usher*; Lincoln, *Speeches* (in *Little Masterpieces*).

Suggested home reading.

1. **Principles of Composition:** Paragraph structure. Sentence structure. Figures of speech. Choice of words. Outline work. Description. Practice in ten-minute themes. Narration.

Text-book used is *Writing in English*, by Maxwell and Smith.

Required in second year.
2 periods, through the year.

2. **Literature:** (*a*) Lowell, *Vision of Sir Launfal*; Coleridge, *Ancient Mariner*; George Eliot, *Silas Marner*; Lowell, *My Garden Acquaintance*; Goldsmith,

Vicar of Wakefield; Shakespeare, *Merchant of Venice* and *Julius Cæsar.*

Required in second year.
2 periods, through the year.

(*b.*) Lowell, *A Good Word for Winter*, *A Moosehead Journal*, and *At Sea*; G. W. Curtis, *James Russell Lowell*; Scott, *Lady of the Lake* and *Lay of the Last Minstrel*; Byron, *Prisoner of Chillon*; Burns, *Cotter's Saturday Night*; Irving, *Goldsmith*; Coleridge, *Favorite Poems*; Wordsworth, *Favorite Poems*; Defoe, *Robinson Crusoe*; Swift, *Gulliver's Travels.*

Required home reading.

1. **Principles of Composition:** Outline-work. Narration. Practice in ten minute themes.

Text-book used, is Mead's *Practical Composition and Rhetoric.*

2. **Literature:** (*a*) Scott, *Ivanhoe*; Tennyson, *Princess*; Addison, *Sir Roger de Coverley Papers*; Shakespeare, *Macbeth.*

Required in third year.
2 periods, through the year.

(*b.*) George Eliot, *Adam Bede*; Dickens, *David Copperfield*; Thackeray, *Newcomes* or *Vanity Fair*; Carlyle, *Choice of Books*; Lamb, *Essays of Elia*; Southey, *Favorite Poems*; Pope, *Rape of the Lock.*

Required home reading.

1. **Principles of Composition and Rhetoric:** Outline work. Theme structure. Exposition.

Text-book used is Mead's *Practical Composition and Rhetoric.*

Required in fourth year.
1 period, through the year.

2. Literature: (*a.*) Macaulay, *Essays on Milton* and *Addison*; Pope, *Iliad*; Milton, *Poems*; Carlyle, *Essay on Burns*; Burke, *Speech on Conciliation.*

Required in fourth year.
2 periods, through the year.

(*b.*) Milton, *Paradise Lost*; (Books I. and II.); Burns, *Poems* (selections); Stevenson, *Treasure Island* or *New Arabian Nights*; Jane Austen, *Pride and Prejudice*; Cervantes, *Don Quixote* or Hugo, *Les Miserables.*

Required home readings.

FRENCH.

Course I. Muzzarelli, *Academic French Course.* First Part: Study of the regular and the commoner irregular verbs. Easy translation of English into French. Whitney's *Introductory French Reader.* Fables memorized. Dictation.

5 periods, through the year.

Course II. Muzzarelli, *Brief French Course.* Study of irregular verbs. English into French. Bercy, *La Langue Francaise.* Fables memorized. Lamartine, *Graziella*; Le Brète, *Mon Oncle et mon Curé.* Dictation.

5 periods, through the year.

Course III. Whitney's *Practical French Grammar*; Syntax. Blouet, *Primer of French Composition*; La Fontaine, *Select Fables*; Marmier, *Le Protègé de Maria Antoinette*; Michelet, *La Prise de la Bastille*; Belfond, *La France Littéraire au XIX. Siècle.* Ducoudray, *Histoire de France.* Dictation.

4 periods, through the year.

GERMAN.

Course I. Grammar (Joynes and Meissner), Part 1. Reading: Easy stories, as Grimm's *Märchen*; Heyse, *L'Arrabbiata*; Storm, *Immensee*; Von Hillern, *Höher als die Kirche*; Zschokke, *Der zerbrochene Krug*; Baumbach, *Die Nonna*. Prose Composition (Bernhardt). Conversation based upon text. Poems memorized. Dictation.

5 periods, through the year.

Course II. Grammar (Joynes and Meissner) completed. Reading.

(*a.*) Easy narrative prose continued; as Hauff, *Das kalte Herz*; Heyse, *Das Mädchen von Treppi*; Frommel, *Eingeschneit*; Riehl, *Das Spielmannskind*, *Der stumme Katsherr*; Benedix, *Die Hochzeitsreise*.

(*b.*) Introduction to German Classics: Schiller, *Wilhelm Tell*, *Das Lied von der Glocke*. Prose composition (Bernhardt), completed. Constant practice in written and oral abstracts of texts read. Poems memorized (Mueller's *Gedichte*). Dictation, conversation.

5 periods, through the year.

Course III. Grammar reviewed. Reading:

(*a.*) Modern Prose: Auerbach, *Brigitta*; or Baumbach, *Der Schwiegersohn*.

(*b.*) Continuation of study of the classics: Schiller, *Jungfrau von Orleans*; or *Maria Stuart*; Lessing, *Minna von Barnhelm*; Goethe, *Hermann and Dorothea*.

(*c.*) Literature: Keller's *Bilder aus der deutschen Literatur*. Prose composition (Harris), Selections, Parts II., III., IV. Constant discussion of text. Oral and written abstracts. Lectures.

4 periods, through the year.

MATHEMATICS.

1. **Algebra.** The student must have had a course in arithmetic equivalent to that given in the best grammar schools. The work for the first year will be elementary algebraic equations, the fundamental operations, factoring, fractions, equations of the first degree with one or several unknown quantities, powers and roots.

Required in first year.
5 periods, through the year.

2. **Algebra.** Theory of exponents, radicals, quadratic equations, inequalities, ratio and proportion, progressions, binomial theorem for positive and negative exponents. In connection with this work there will be a review of the Metric System.

Required in second year,
5 periods, through the year.

3. **Plane Geometry.** Much time will be spent in solving original exercises, numerical problems and examples of loci.

Required in third year.
4 periods, through the year.

4. **Algebra.** After Plane Geometry is completed, a review of Courses 1 and 2, logarithms, variations, permutations and combinations.

Required in fourth year.
2 periods, through the year.

PHYSICS.

1. A preliminary survey of the general properties of matter, followed by a more careful study of the general principles of Mechanics and Hydrostatics. This course is *supplemented by the use of many and varied numerical problems*, and requires a knowledge of Algebra and Plane Geometry.

Required in fourth year.
4 periods, first semester.

2. Heat, Light, Sound and Electricity.

Required in fourth year.
4 periods, second semester.

Both courses include a series of laboratory exercises selected from the list of those recommended by the Uniform College Entrance Examination Board of the Middle States and Maryland. The Preparatory School is thoroughly equipped with the Physical apparatus necessary for this course of study.

ANATOMY, PHYSIOLOGY AND HYGIENE.

1. This course is conducted by lectures. Its purpose is to instil intelligent ideas of sanitary conditions, based upon practical knowledge of plumbing, drainage and ventilation. Hints will be given in regard to the protection of health at home and abroad, particularly in the matter of observing the laws of quarantine, personal, municipal, and maritime. Laboratory methods are employed, and, where possible, tests are made of the purity of water, milk and food. A manikin, models of the eye, ear, brain, throat and other organs, a skeleton and an abundance of charts facilitate clear demonstrations of the

matter treated in the lectures. The department is in charge of a graduated physician.

Required in fourth year.
1 period, through the year.

HISTORY.

1. **English History** (Montgomery), with maps, compositions and biographical sketches.

Required in first year.
3 periods, through the year.

2. **Mythology** (Guerber).

Required in first year.
1 period, through the year.

3. **Grecian and Roman History** (Myers' *General History*) to 476 A. D., with maps, compositions and biographical sketches.

Required in third year.
3 periods, through the year.

4. **French History** (Montgomery).

Class may be formed in second year.
2 periods, through the year.

BIBLE.

1. **Stories from the Old Testament.**

Scripture selections are memorized in connection with these lessons.

Required in first year.
1 period, through the year.

2. **The Beginnings of Hebrew History.**

This course carries forward the History of the Children of Israel from the Exodus to the settlement in Canaan.

Required in second year.
1 period, through the year.

3. **The Period of the Judges.**
   Required in third year.
   1 period, first semester.

4. **The United Kingdom.**
   Required in third year.
   1 period, second semester.

5. **The Divided Kingdom.**
   Required in fourth year.
   1 period, first semester.

6. **The Captivity and Restoration.**
   Required in fourth year.
   1 period, second semester.

PHYSICAL TRAINING.

Systematic training in the gymnasium is required of all resident students unless excused for physical reasons. Class instruction to day students is optional and is given without extra charge. Each student is examined by the director with reference to physical development before being admitted to classes, and further examinations are made during the year.

The Emerson system of exercises is used, together with marching and games. This system aims at the highest condition of health and beauty through such exercises as are authorized and required by the human organism. Special attention is given to breathing, correct standing position and walking.

The gymnasium is a large, well ventilated building, equipped with chest weights, rowing machines, balance swings and other apparatus.

Basket ball, indoor and outdoor, is played by organized teams. The regulation gymnasium shoes and suit prescribed by the director must be worn by all admitted to the gymnasium.

Outdoor exercise is also greatly encouraged by the director. A basket ball field and an excellent tennis court furnish opportunities for outdoor sports.

ELOCUTION.

Private instruction is given in Elocution, including breathing, tone placing, development and control of voice, emphasis, rhythm and exercises to acquire a clear, distinct articulation.

Studies in dialect, pathetic, humorous and dramatic recitations, and selected scenes from Shakespeare are included in advanced work.

GENERAL INSTRUCTIONS.

Any student desiring to pursue the study of Music and Art in connection with the Preparatory Course should allow one year longer for its completion.

Students may be admitted to the Preparatory School for fewer than the required number of hours per week, but Latin and Mathematics must be selected among the subjects. French and German will not be assigned until after one year's work in Latin.

Certificates will be granted to all who satisfactorily complete the course as given in the Preparatory School, and these certificates will pass students without conditions into the Freshman Class.

The session for recitations is from a quarter of nine in the morning until two o'clock in the afternoon, with thirty minutes for luncheon, and every student in the Preparatory Course is expected to remain through the session.

Day students who desire it may have their luncheons with the resident students at a small charge.

Students of the Grammar Grade ordinarily are dismissed before luncheon.

PREPARATORY STUDENTS.

Fourth Year. '03

Bole, Alice,	Pittsburgh.
Flaccus, Alice,	Ben Avon.
Garber, Emma,	Pittsburgh.
*Johnson, Bessie,	"
Jolly, Marion Delena,	Carrick.
*Kennedy, Anne,	Uniontown.
*McClintock, Elsie Thompson,	Pittsburgh.
*McClintock, Jeannette Lowrie,	"
McKee, Ellen Blanche,	Wilkinsburg.

Third Year.

Baker, Pleasaunce,	Oakmont.
*Barrett, Elizabeth,	Bellevue.
Beckwith, Anna,	Wilkinsburg.
*Bennett, Estelle,	Pittsburgh.
*Blair, Margretta,	"
*Botkin, Mable,	Duquesne.
*Johnson, Alice,	Wilkinsburg.
Jones, Edna,	Pittsburgh.
Miller, Bessie,	Duquesne.
*Miller, Sue,	"
*Montgomery, Elizabeth,	Oakmont.
McClelland, Rachel Pears,	Pittsburgh.
McKelvey, Theodora,	"
McLean, Wilma,	"
Spencer, Kate,	"
*Stanton, Anna,	"
Stevenson, Violet,	"
Stevenson, Grace,	Coraopolis.
*Stewart, Mary,	Wilmerding.
*Wilkinson, Florence,	Beaver Falls.

*One condition.

Second Year.

Barbour, Isabel,	Pittsburgh.
Beers, Lulu,	"
*Beilstein, Laura Lee,	Louisville, Ky.
Bixler, Irma,	Pittsburgh.
*Bliss, Bessie,	"
*Craig, May,	"
Darragh, Hazel,	"
Diehl, Virginia,	"
Ellis, Acsa,	"
*Freeman, Elizabeth,	"
Gilson, Agnes,	"
Haney, Caroline,	"
Hargrave, Myrtle,	"
*Hespenheide, Edith,	Allegheny.
*Hofmann, Edna,	Pittsburgh.
Kress, Elsie,	"
Mueller, Marie,	"
McGinnis, Nelle,	Wilkinsburg.
Prenter, May,	Pittsburgh.
Robinsteen, Lois,	"
Shoemaker, Dorothy,	"
*Slocum, Laura,	"
Stevenson, Helen,	"
*Townsend, Elizabeth,	"
Watt, Mary,	"
*Weaver, Marguerite,	Wilkinsburg.
Wright, Clara,	Pittsburg.

First Year.

*Ahl, Willa,	Pittsburgh.
Aiken, Margaret,	"
Allebrand, Henrietta,	Duquesne.
Armstrong, Winifred,	Pittsburgh.
*Aschman, Dorothy,	"
*Askin, Ethel,	"
Baur, Minnae,	"
Bell, Frances,	"
Bennett, Laura,	"

* One condition.

Bickel, Elizabeth,	Pittsburgh.
Bullock, Cornelia,	"
Burgoyne, Anna,	Verona.
Cotton, Gertrude,	Pittsburgh.
Cunningham, Lois,	"
Dickinson, Estelle,	"
Diescher, Irma,	"
Dougherty, Jane,	Ingram.
Englert, Harriet,	Pittsburgh.
*Frank, Emma,	Allegheny.
Friel, Katharine,	Pittsburgh.
*Gabel, Lulu,	"
Gallaher, Agnes,	"
Gray, Frances,	"
Haslett, Margaretta,	Allegheny.
Hazlett, Marie,	Pittsburgh.
Hemphill, Elizabeth,	"
Herriott, Alice,	"
Jenkins, Edith,	"
Klein, Birdie,	Allegheny.
Lysinger, Irene,	Wilkinsburg.
Marshall, Sara,	Pittsburgh.
*Martin, Dorothy,	"
Michel, Florence,	"
Miller, Margaret,	"
Miller, Mary,	"
Morrison, Jean,	Wilkinsburg.
McCracken, Elizabeth,	Pittsburgh.
McDonald, Helen,	Woodlawn.
McEwan, Sallie Rhodes,	Pittsburgh.
McFarlane, Jean,	"
*Naylor, Margaret,	"
Normecutt, Aimee,	"
Poole, Lulu,	"
*Porter, Mae,	"
Roberts, Jeane,	"
Robitzer, Marie Cowles,	"
Rollings, Jean,	Crafton.
Rowlen, Jean,	Pittsburgh.

*One conditon.

*Scott, Margaret,	Pittsburgh.
*Semple, Emma,	"
*Shier, Berita,	"
*Showalter, Jane,	Oakdale.
Slater, Lillian,	Mt. Washington.
*Stephenson, Emma,	Pittsburgh.
*Taylor, Elsie,	"
*Ward Estella,	"
Watterson, Nellie,	New Kensington.
*Welliver, Margaret,	Lock Haven.
Yoder, Elizabeth,	Pittsburgh.
Young, Alice,	"

IRREGULAR STUDENTS.

Aiken, Harriet,	Pittsburgh.
Aiken, Marian,	"
Aiken, Mildred,	"
Armstrong, Mary Ellen,	Oakmont.
Baxmyer, May,	Pittsburgh.
Buchanan, Helen,	"
Capel, Emelie,	"
Claus, Mary,	"
Dickey, Ruth,	"
Edwards, Winona,	"
Flynn, Anita,	"
Hunter, Bessie,	"
Kaufman, Helen,	Pittsburgh.
Kendall, Marguerite,	Wilkinsburg.
King, Jennie,	Pittsburgh.
Kirk, Katherine,	Wilkinsburg.
Moreland, Florence,	Pittsburgh.
McFarlane, Edith,	"

*One condition.

GRAMMAR GRADE.

Bateman, Louise,	Pittsburgh.
Frye, Mary,	"
Hagan, Martha,	"
Jackson, Grace,	Sewickley.
Jenkins, Marguerite,	Pittsburgh.
Lynn, Isabel,	"
Martin, Lillian,	Knoxville.
Mohn, Anabel,	Pittsburgh.
Mueller, Augusta,	"
McGogney, Mable,	Wilson.
McGrew, Lillian,	Pittsburgh.
Packer, Marguerite,	"
Pritchard, Viola,	"
Whitehouse, Bertha,	"

Recapitulation.

Fourth Year,	9
Third Year,	20
Second Year,	27
First Year,	61
Irregular Students,	20
Grammar Grade,	14
Total,	151

SCHOOL OF MUSIC.

Course of Study in Piano.

Students completing the full course will receive testimonials of Musical Scholarship after passing a test examination.

First Year.

Instruction in the rudiments of Music and Notation. Formation of the touch, using Plaidy's *Technical Studies* and Weik's *Method.* Simple Scales, Lebert and Stark, Vol. I., and easy pieces by Duvernoy, Heller, Reinecke and Lichner. Sonatines by Clementi and Kuhlau.

Second Year.

Music Tonality and the Grammar of Music.

Technical course will embrace Plaidy's *Simple Technique*, Scale Studies, Etudes of Czerny, and the *Schule der Technique*, Vol. I.; Lebert and Stark, Vol. II.; *Phrasing Studies* by Heller, and pieces from Jensen, Heller, Mozart, Mendelssohn, Reinecke, and selections from the *Sonaten Studien*, by Kohler.

Third Year.

Sight reading.

Schule der Technique, finishing Book I., and commencing Book II.

Gradus ad Parnassum, by Clementi, arranged by Karl Tausig, Etudes by Heller, Jensen and Moscheles. Selections from the preludes of Chopin and Heller. Sonatas by Haydn, Beethoven and Schubert.

Pieces from Chopin, Schumann, Mendelssohn, Field, Liszt; and selections from the *Alte Meisters*, as arranged by Paner and Saint-Saëns.

Harmony: Richer or Allrechtsberger methods.

Fourth Year.

A Normal Year—Technical Course. The *Schule der Technique*, Vol. III. Lebert and Stark, selections from Books III. and IV. *Octave Schule* of Kalluk. Wm. St. Bennett, op. 11. Selections from Bach's works, as arranged by Reinecke. Sonatas and concertos of the Old Masters. Pieces from Chopin, Rubinstein, Liszt, Weber, Schumann, Saint-Saëns, Mendelssohn and Beethoven.

Sixteen Pianos are available for practice, and all practice is under the supervision of a competent assistant.

Course of Study in Organ.

Organ tuition as a companion study to the Piano has long been regarded with favor by pedagogues of both the past and present, and it has been decided to add this study to the general curriculum. Its value as tending to eliminate impurities of touch and style in Piano playing has been asserted by no less an authority than Schumann, the opinion having found expression in his well known *Maxims*.

In this department *The Organ*, a theoretical and practical treatise by Frederick Archer, will be used as the text book, followed by selections from the English, French and German Schools.

Arrangements have been made for the use, by students of Organ, of a good instrument belonging to one of the city churches.

Course of Study in Violin.

First Year.

Instruction in the proper position of the body, bow, left hand and arm. Production of tone with the bow and correct action of the fingers of the left hand. Studies in the first position for intonation, rhythm and various bowings.

Easy pieces with accompaniment of piano. Duets for two violins.

Second Year.

Exercises in the first to third position. Studies in bowing and left hand technique by Kayser, Dont, Sevcik.

Scale Studies by Shradieck.

Pieces by Dancla, Sitt, Papini and others.

Third Year.

Studies in the higher positions and pieces employing them. Twenty-four studies by Dont from the *Gradus ad Parnassum.*

Fourth Year.

Studies by Kreutzer. Special Studies in bowing by Sevcik. Book I, Op. 36 by Sauret. Viotti concertos. Concertino by David. De Beriot concertos.

Fifth Year.

Studies by Fiorillo and Rode. Book III. Op. 36 by Sauret. Concertos by Viotti, Rode, Kreutzer and David. Concerto pieces by Sauret, Wieniawski and Vieuxtemps.

ADDITIONAL WORK IN VIOLIN.

Twenty-four *Matinees* by Gavienees. Twenty *Grands Etudes* by Sauret. Twenty-four Etudes, Op. 35 from *Gradus ad Parnassum* by Dont. Twelve Etudes by Minkons. Twenty-four Caprices by Paganini. Six solo sonatas by J. S. Bach. Concertos by Spohr, Mendelssohn, Beethoven, Vieuxtemps, Wieniawski. Sonatas by Corelli, Bach, Handel, Tartini, Mozart and Beethoven. Concert pieces by Leonard, Alard, Ernst, Saint Saëns and others.

Course of Study in Voice Culture.

Instruction in vocal music consists of half hour private lessons, and class drills in which all voice pupils are expected to take part.

The Italian method of voice building is employed, special attention being given to correct breathing, tone production, phrasing and clear enunciation.

Marchesi's *Art of Singing* is assigned for technical work, in connection with "*Vocalizes*" by Marchesi, Abt, Concone, Luetgen and other eminent composers, as the advancement of the student justifies.

The course of instruction is designed to establish a reportoire in Church, Concert, Oratorio and Operatic Music, versatility being recognized as of the essence of vocal accomplishment.

A Choral Class meets once a week under the direction of the instructor in vocal music. The class is free to any students desirous of joining, the only obligation being prompt and regular attendance at the rehearsals and concerts which take place during the year.

SCHOOL OF ART.

A large well lighted studio is supplied with the best models and casts.

All work done in the studio has for its object the development of a feeling for art. The method taught is that of Mr. Arthur W. Dow, whose theory is that art is Beauty. In his system the idea is to help the student at the very outset to originate a beautiful arrangement. All other knowledge is subordinate to this. In pursuance of this, charcoal, pencil, and pen and ink from still-life, casts, nature and life, and later, water color, oil and pastel are used.

The equipment of the studio includes the magazine called "The International Studio."

The elements of portrait painting are given if desired, also miniature painting on ivory.

No definite time is fixed for completing the art course, as progress must vary according to individual effort and ability, and advancement is guaged thereby.

The methods employed are the same as those used in the most advanced schools of art, and a thorough knowledge of the fundamental principles of drawing is taught.

During the spring and autumn, classes are formed for outdoor sketching.

A medal is awarded, after one year's study, to the student showing the greatest mastery of the subject, provided the work is up to the required standard.

STUDENTS IN
PIANO, ORGAN, VOICE, ART AND ELOCUTION.

PIANO.

Armstrong, Winifred,
Barrett, Elizabeth,
Bauman, Edith,
Beable, Lottie,
Bell, Frances,
Bennett, Estelle,
Bixler, Irma,
Blair, Margretta,
Botkin, Mable,
Braznell, Lorna,
Burgoyne, Anna,
Cotton, Gertrude,
Brooks, Helen,
Donaldson, Elizabeth,
Edwards, Winona,
Flaccus, Alice,
Flynn, Anita,
Fownes, Sara,
Freil, Katharine,
Fullmer, Myra,
Gallaher, Agnes,
Graham, Ada,
Haslett, Margretta,
Hemphill, Elizabeth,
Holmes, Gertrude,
Kirk, Katharine,
Martin, Ruth,
Montgomery, Elizabeth,
Moore, Helen,
Mussler, Katharine,
McClintock, Jeannette,
McCloy, Jeane,
McCormick, Martha,
McDonald, Helen,
McNall, Minnie,
Naylor, Margaret,
Poole, Lulu,
Porter, Mae,
Reed, Lillian,
Riddile, Mary,
Rollings, Jean,
Slater, Lillian,
Stewart, Esma.
Townsend, Elizabeth,
Welliver, Margaret.

ORGAN.

Mussler, Katherine,
Riddile, Mary.

VOICE.

Allebrand, Henrietta,
Archer, May,
Armstrong, Mary Ellen,
Beilstein, Laura Lee,
Freil, Katharine,
McCormick, Martha,
Pew, Elizabeth,
Shier, Berita,
Smith, Vera,
Yoder, Elizabeth.

ART.

Aschman, Dorothy,
Baker, Pleasaunce,
Barrett, Elizabeth,
Bateman, Louise,
Bullock, Cornelia,
Freeman, Elizabeth,
Hemphill, Elizabeth,
Jenkins, Edith,
Kaufmann, Helen,
Martin, Dorothy,
McDonald, Helen,
McGeagh, Mable,
Simmons, Pearl.

ELOCUTION.

Kendall, Marguerite,
Porter, Mae.

GENERAL RECAPITULATION.

College,	38
College Preparatory,	152
Music only,	14
Total,	204

EXPENSES AND TERMS.

Day Students.

	PER YEAR.
Tuition—Collegiate,	$125.00
Preparatory (except Grammar Grade),	125.00
Grammar Grade,	100.00

Resident Students.

	PER YEAR.
Tuition,	$125.00
Table Board,	175.00
Room rent (including light, heat and furnished room),	100.00
Pew rental, Presbyterian Church,	5.00

Other denominations at church rates.

Washing plain pieces, per dozen, 50 cents.

Washing dresses extra.

Board during vacations, per week, $7.00.

Music Department.

	PER TERM.
Piano—Two ½-hour lessons each week,	$50.00
One ½ " " " "	30.00
Voice—Two ½-hour lessons each week,	50.00
One ½ " " " "	30.00
Use of Piano, three periods, daily practice,	10.00
Harmony,—Class of four, one hour per week, each student,	25.00
History of Music—In classes,	10.00
Ensemble Playing and Sight-reading—Class of four, for one period a week, each student,	25.00

	PER TERM.
Violin, Professor's prices,	
Guitar, " "	
Organ—One hour each week,	$50.00

Art Department.

	PER TERM.
Painting—Oil or Water Color—8 hours per week,	$50.00
Drawing—Pencil or Crayon—8 hours per week,	50.00
Portrait and Minature Painting—8 hours per week,	50.00

Department of Elocution and Physical Culture.

	PER TERM.
Elocution, private lessons, 2 lessons a week,	$50.00
Physical Culture, in classes of four, twice a week, each student,	25.00
Physical Culture, private lessons, twice a week,	50.00

Extra Charges.

Laboratory fee, per year (biology class),	$15.00
" " " " (chemistry class),	15.00
" " " " (physics class),	5.00
Luncheon—single,	.25
" five tickets,	1.00

In exceptional cases resident students may be received as five day pupils,—i. e., they may be allowed to go home on Saturday morning and return Monday morning,—but this arrangement is not considered desirable, and no reduction in the charges for board and room will be made on this account.

No charge for tuition will be made to daughters of ministers resident in the College. A reduction of $25.00 will be made to day pupils who are daughters of ministers or of professional teachers actually engaged in teaching.

Instruction in class gymnastics, class elocution and choral music is included in the tuition fee.

Books, stationery, and sheet music are furnished at regular prices.

All bills for boarding, tuition and extras are due one-half on first day of the year and the remainder February 1st. The payment must be made before the student may take her place in the class room, unless special arrangement has been made with the President. All checks should be made payable to Henry A. Breed, Treasurer, and sent to the President, Pennsylvania College for Women, Pittsburgh, Pa.

It is understood that all arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

As engagements with instructors and other provisions for the education of students are made by the College for the entire year in advance, *no deduction can be made in the charge for tuition for either resident or day students.*

No degrees will be conferred unless all bills due to the College by the candidate have been paid.

The telephone being for College business purposes, no student will be called to the telephone, nor will any message be delivered, except in cases of illness or similar urgency.

APPLICATION FOR ROOMS.

All applications will be registered and rooms not engaged by former students will be assigned according to the date of application. The bed rooms are generally arranged for two students, and are comfortably furnished. Single rooms require an additional fee. There are no undesirable bed rooms in the College buildings. Any information concerning the rooms will be given upon application to the Secretary.

A deposit of ten dollars is necessary to secure a room. This amount will be credited on the first payment, or will be refunded if a wish to relinquish the room is made known before August 15.

Each applicant will be furnished with a copy of the Regulations, which must be signed by her and her parent or guardian, and returned with the room deposit.

Resident students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for resident students from *the date at which they had engaged to enter their daughter or ward until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness, when the loss for board and room will be equally shared.*

All unnecessary wear of carpets, furniture, etc., is charged to the students occupying the room.

ROUTES AND CONVEYANCES.

The College is reached from the center of the city by any of the lines of electric cars running out Fifth Ave., which carry passengers to the College entrance, Woodland Road; or by cabs at the stations, which will convey passengers to the door of the College.

Strangers on arriving in the city at Union Depot may obtain all needed information by inquiring of the Excelsior Express and Standard Cab Company, which also delivers baggage at the College. Students entering the city on the Penna. R. R. will find it a convenience to check all baggage to the East Liberty Station.

Expressage.

All express matter to students should be sent *prepaid* by *Adams Express* to *East Liberty Station, Penna.*, otherwise added expressage is charged for conveyance from the city office to the College.

SCHOLARSHIPS.

The Helen E. Pelletreau Scholarship.

A fund has been raised by the Alumnæ to establish a scholarship in honor of Miss Helen E. Pelletreau, for many years the able and beloved President of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Mrs. Charles L. Taylor, Irving Place, 5533 Ellsworth Avenue, Pittsburgh.

The Mary Hawes Nevin Soholarship.

To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the class of 1896, her family have given the sum of $6,000.00 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious of the advantage of a college course.

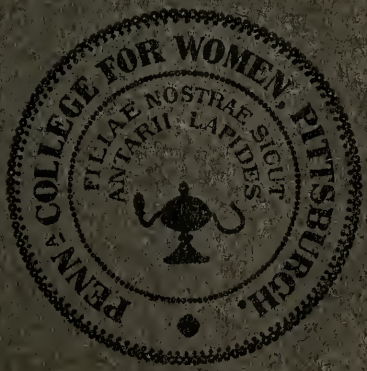
Scholarships in Biology.

By the generosity of two friends of the College two scholarships in the summer school of Biology carried on by the Marine Biological Laboratory at Wood's Holl, Mass., were provided for the year, 1901-1902.

One of these was awarded to Miss Helen Barlow Dickey during the summer of 1901; the other is still available for the current year.

THIRTY-FOURTH
ANNUAL CATALOGUE
1903-1904

Pennsylvania College for Women



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Pennsylvania College for Women.

PITTSBURGH, PA.

1903-1904.

T. B. & H. B. COCHRAN,
PRINTERS,
LANCASTER, PA.

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JANUARY.						
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CALENDAR FOR 1905.

JANUARY.						
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MARCH.						
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MAY.						
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JULY.						
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30	31	....	....	....	....	....

AUGUST.						
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27	28	29	30	31	....	....
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SEPTEMBER.						
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OCTOBER.						
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NOVEMBER.						
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DECEMBER.						
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24	25	26	27	28	29	30
31	....	....	....	....	....	....

CALENDAR.

1903.		
14-15 Sept.	Monday - Tuesday,	Examinations for Admission.
15 Sept.	Tuesday,	First Semester begins—Enrollment.
16 Sept.	Wednesday,	Recitations begin.
26 Nov.	Thursday,	Thanksgiving Day.
18 Dec.	Friday, 12 M.,	Christmas Vacation begins.
1904.		
4 Jan.	Monday, 6 P. M.	Christmas Vacation ends.
25 Jan.	Tuesday,	Examinations begin.
1 Feb.	Monday,	Second Semester begins.
31 Mar.	Thursday, 12 M.,	Spring Vacation begins.
11 Apr.	Monday, 6 P. M.	Spring Vacation ends.
21 May	Saturday,	May Day Fête.
4 June	Thursday, 3 P. M.,	Closing Exercises of the Preparatory School.
31 May		Examinations begins.
2 June	Thursday, 8 P. M.	Annual Concert.
3 June	Friday,	Annual Meeting of the Alumnæ.
4 June	Saturday, P. M.,	Class Day.
5 June	Sunday,	Baccalaureate Sermon.
6 June	Monday,	Commencement.
20 Sept.	Tuesday,	Examinations for Admission.
20 Sept	Tuesday,	First Semester begins—Enrollment.
21 Sept.	Wednesday,	Recitations begin.
24 Nov.	Thursday,	Thanksgiving Day.
22 Dec.	Thursday, 12 M.,	Christmas Vacation begins.
1905.		
3 Jan.	Tuesday, 6 P. M.,	Christmas Vacation ends.
23 Jan.	Monday,	Examinations begin.
30 Jan.	Monday,	Second Semester begins.
7 June	Monday,	Commencement.

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THE PENNSYLVANIA COLLEGE FOR WOMEN, PITTSBURGH, PA.

Pennsylvania College for Women is a school of Liberal Culture for young women.

Its purpose is to give such instruction and discipline as shall best qualify young women for the duties and responsibilities of life.

To develop character, to refine taste and to promote sound learning is the aim of all its efforts.

To this end we have established a full classical course of study embracing all the branches of Mathematics, Ancient and Modern Languages, Science and Philosophy, usual y taught in our best colleges, while special emphasis is placed on English Composition and Literature and liberal provision is made for the study of History and Philosophy.

In addition to the classical course, leading to the degree of Bachelor of Arts, we have made special provision for the study of Music and of Art.

It is unquestionable that the best training that can be given for the development of the mind and the cultivation of scholarly taste is the standard classical course.

There are, however, some who have special talent in Music or Art, and who cannot take up these studies in addition to the full classical course. For these we have marked out a course of study which includes a judicious selection of Literature, History, Philosophy and Science, and yet leaves as much time for the study

of Music or Art as can be profitably employed in these studies.

The location of the College is unequalled in the opportunities afforded for the study of either Music or Art.

The formation of character is by far the most important part of education and is the chief concern of all the college management. Of course it is true that morals and manners cannot be taught in the class room and by text-book, as mathematics or languages are taught, but it is also true that the student can be so influenced by instruction and example and associations that the results in culture and refinement and reverent habits of thought are as definite as the results in any other department of training.

The religious culture of the student is regarded as of supreme importance and while the college is not sectarian it is distinctly and deeply religious.

The College is situated in the East End of Pittsburgh, about four miles from the City Hall and in the centre of the choicest residence district which the city contains. It has convenient access by electric cars both to the business sections and the parks and suburbs. The campus is a finely shaded tract of eleven acres, embracing a hill crest on which the buildings are situated. The plot owned by the College is part of one many times as large, containing the homes of a few families of wealth. The only entrance to this tract is by a private road, and as there are no fences between the several properties, the College is practically located in a large private park, thus securing abundance of space and air, wide view, and opportunities for outdoor sports, combined with a delightful and wholesome privacy not easy to command

in a great city. Indeed it is safe to say that few situations combine the advantages of city and country to a degree equal to that of the Pennsylvania College for Women.

The buildings of the College are large and handsome and well adapted to their purpose. They are so disposed as to receive the sunshine on all sides in the course of the day. Their position on a hill top makes them always dry. They are fitted with the best sanitary plumbing, heated by steam, and lighted with gas. They are three in number, but so connected as practically to be one, so that no exposure to the weather is involved in passing from one to another. Berry Hall is mainly devoted to dormitories and public rooms for the use of the faculty and resident students, though it also contains the library, class-rooms and a large study hall. Dilworth Hall is chiefly devoted to the chapel and assembly hall, class-rooms, laboratories, and art studio. The Music Hall contains a spacious gymnasium on the first floor, and on the second ample rooms for musical instruction and practice. The college can at present accommodate not more than one hundred resident students. As nearly all the members of the faculty live in the College, there is made possible a frequency and closeness of contact between professors and students, and a community of interest approaching that which obtains in a well ordered home, which while not curtailing the reasonable liberty of the student, cannot fail to be of the highest advantage.

Among other benefits which accrue to the College by reason of its position in the heart of a great city is its nearness to the Carnegie Institute, with its splendid Library, containing 125,000 volumes; its Museum, rich in collections in zoology, paleontology, ethnography

and the mechanic arts; its Art Gallery, which besides maintaining a valuable permanent collection of paintings draws examples of the best work of living artists in this country and abroad to its annual prize exhibitions; and its fine Music Hall, at which are offered opportunities second to none in the land to hear the best music rendered by the most eminent artists of the world. The Institute can be reached from the College in fifteen minutes, and all its privileges except those in music, and some even of these, may be freely enjoyed by the students.

REQUIREMENTS FOR ADMISSION.

Applicants for admission to the Freshman Class must be at least sixteen years of age. Registration blanks will be provided by the College on application. These blanks, properly filled and signed, must be received by the President before September 1st. A registration fee of five dollars will be charged. This will be credited on the first payment for tuition, or speedily refunded if notification of withdrawal is sent before August 15th. No student will be entered for examination or accepted on certificate before the payment of this fee.

All applicants for admission, whether to the Freshman Class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character. Those who come from other Colleges must also bring certificates of honorable dismission. Admission to the Freshman Class may be gained either by examination or by presentation of certificate from

an approved High School or Academy. Each of these methods is outlined below.

Admission on Examination.

Applicants for admission may be examined either during the week preceding Commencement or on September 20th. Those who wish to be examined in June should notify the Registrar before June 1st, those who wish to be examined in September, before September 12th.

Admission on Certificate.

Students from such high schools and academies as may be approved by the Faculty are admitted to the Freshman Class without examination, on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Registrar during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly the equivalents offered must be stated in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all the requirements. Students received on certificate are regarded as upon probation during the first semester, and those deficient in preparation may be dropped whenever the deficiency has been clearly demonstrated.

Admission to Advanced Standing.

Students seeking admission to an advanced grade may be examined in all prescribed studies antecedent to

that grade, as well as in the elective studies necessary for the full quota of hours, but full credit will be given to such certificates as they bring from their previous instructors. No one is admitted to the Senior Class after the beginning of the second semester.

Admission to Special Courses.

Students may be received to take special studies for which their previous education has fitted them, but those who have not fulfilled all the requirements for matriculation must satisfy the faculty as to their preparation for the courses they desire to pursue.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS.

I. Languages (Other Than English).

(1) **Latin.**

(These requirements are based upon the recommendations of the American Philological Association.)

a. i. LATIN GRAMMAR: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

ii. LATIN COMPOSITION: Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.

b. CÆSAR: Any four books of the *Gallic War*, preferably the first four.

c. CICERO: Any seven orations from the following list, but preferably the first six mentioned, (Manilian Law being accepted as the equivalent of two orations):

The four orations against Cataline, Archias, Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.

d. VERGIL: The first six books of the *Æneid.*

Pronunciation after the Roman method is preferred. Equivalents will be accepted, but verse will not be considered a substitute for prose, nor will anything be accepted for translation of English into Latin. An examination in sight reading will be given.

For (*b*) may be substituted the work required in Course 2, in the Latin course of the Preparatory School. (See p. 56.)

(2) *If Physics be offered, a three years' course in one of the following languages, and if Physics be not offered, an additional course of at least one year in a second is required.*

(*a*) **French.** The entrance requirements in French correspond to the three years' course offered in the Preparatory School. (See page 62.)

The examination in French is intended to test the candidate's knowledge of pronunciation and ordinary grammatical forms as well as her power to read at sight ordinary French prose and verse. Three years, five hours per week, will be required for preparation, which should include constant exercise in translating English into French.

(*b*) **German.** The entrance requirements in German correspond to the three years' course offered in the Preparatory School. (See page 63.)

An equivalent amount of reading will be accepted.

Students must be able to translate ordinarily difficult German at sight, and to translate simple connected prose from English into German.

A thorough knowledge of German grammar will be required, and the ability to express one's self in German and to follow a recitation conducted in that language.

Frequent practice is recommended in oral and written abstracts of texts read, and in memorizing selected passages.

(*c*) **Greek.**

(These requirements are based upon the recommendations of the American Philological Association.)

a. i. GREEK GRAMMAR: The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

ii. GREEK PROSE COMPOSITION, consisting principally of detached sentences to test the candidate's knowledge of grammatical construction.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis*.

b. XENOPHON: The first four books of the *Anabaiss*.

c. HOMER: The first three books of the *Iliad* (omitting II., 494–end).

An examination in sight reading will be given, based on passages from the *Anabasis*.

II. English.

The requirement in English is that recommended by the Conference on Uniform Entrance Requirements in English for Middle States and Maryland.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

a. READING.—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. The candidate is expected to read intelligently all the books prescribed. She is not expected to know them minutely, but to have fresh in mind their most important parts. **In every case knowledge of the book will be regarded as less important than the ability to write good English.** In preparation for this part of the requirements, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for this part of the examination will be:

In 1903, 1904, 1905: Shakespeare's *The Merchant of Venice* and *Julius Cæsar;* The *Sir Roger De Coverley Papers* in The Spectator; Goldsmith's *The Vicar of Wakefield;* Coleridge's *The Ancient Mariner;* Scott's *Ivanhoe;* Tennyson's *The Princess;* Lowell's *The Vi-*

sion of Sir Launfal; George Eliot's *Silas Marner;* Carlyle's *Essay on Burns.*

In 1906, 1907 and 1908: Shakespeare's *Macbeth* and *The Merchant of Venice;* The *Sir Roger De Coverley Papers;* Irving's *Life of Goldsmith;* Coleridge's *The Ancient Mariner;* Scott's *Ivanhoe* and *The Lady of the Lake;* Tennyson's *Gareth and Lynette, Lancelot and Elaine* and *The Passing of Arthur;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner.*

b. STUDY AND PRACTICE.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in these periods of English literary history to which the prescribed works belong.

The books set for this examination will be:

1902 to 1905: Shakespeare's *Macbeth;* Milton's *Lycidas, Comus, L'Allegro* and *Il Penseroso;* Burke's *Speech on Conciliation with America;* Macaulay's *Essays on Milton and Addison.*

Attention is called to the following recommendations of the Conference on Uniform Entrance Requirements in English:

1. That English be studied throughout the elementary and secondary school courses, and, when possible, for at least three periods a week during the four years of the high school course.

2. That the prescribed books be regarded as a basis for such wider courses of English study as the schools may arrange for themselves.

3. That where careful instruction in idiomatic English translation is not given, supplementary work to secure an equivalent training in diction and in sentence structure be offered throughout the high school course.

4. That a certain amount of outside reading, chiefly of poetry, fiction, biography and history, be encouraged throughout the entire school course.

5. That definite instruction be given in the choice of words, in the structure of sentences and of paragraphs, and in the simple forms of narration, description, exposition and argument. Such instruction should begin early in the high school course.

6. That systematic training in speaking and writing English be given throughout the entire school course. That, in the high school, subjects for composition be taken partly from the prescribed books and partly from the student's own thought and experience.

7. That each of the books prescribed for study be taught with reference to

a. The language, including the meaning of words and sentences, the important qualities of style, and the important allusions;

b. The plan of the work, *i. e.*, its structure and method;

c. The place of the work in literary history, the circumstances of its production, and the life of its author.

That all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

III. Mathematics.

(1) Algebra. — Elementary operations, radicals, theory of exponents, inequalities, quadratic equations,

ratio, proportion, variation, arithmetic and geometric progressions, permutations and combinations, binomial theorem for positive, negative and fractional exponents, and logarithms.

(2) PLANE GEOMETRY, complete. Wentworth or Wells, first five books.

IV. Science.

Physics, Carhart and Chute, *Elements of Physical Science*, or equivalent. Laboratory work consisting of at least forty experiments taken from the manual must be shown by note book certified by the instructor to be the original work of the student. As noted above, one year of a third language may be substituted for Physics.

V. History.

a. United States and English History.

b. Greek and Roman History to 476 A. D.

Either *a* or *b* may be offered for entrance requirement in History.

For further details see the history courses offered in the Preparatory School (page 66).

REQUIREMENTS FOR GRADUATION.

Extensive changes in the curriculum were put in force with the beginning of the Academic year 1901–1902. Previous to that time the College had provided two courses of study, leading to the degrees of A. B. and B. L., respectively. Beginning with the Academic year 1902–1903, the B. L. course was merged into the

A. B. course, which now offers a much wider choice of elective studies than was previously permitted.

The course of study is as follows:—

In order to graduate, students must have pursued a course of sixty-one (61) year hours, distributed between prescribed and elective work in the proportion of thirty-seven (37) and twenty-four (24) respectively. By a year hour is meant a course of one hour per week pursued through an academic year, or its equivalent. A course of two hours per week continued through one semester, for example, would constitute such an equivalent. The prescribed work includes the following courses:—

Latin—Courses 1, 2.

English—Courses 1, 2, 3, 7.

Other Languages—A total of eight year hours in one or two of the following languages:

French
or
German
or
Greek.

Mathematics—Course 1.

Science:—

Chemistry—Course 1.
or
Physics—Course 1.

History—Courses 1, 2.

Philosophy—Courses 1, 2, 3.

Bible—Courses 1, 2, 3, 4.

The elective work must be distributed among the courses offered in the several years as specified in the following tabular statement:

TABULAR STATEMENT OF CURRICULUM.

FRESHMAN YEAR.		SOPHOMORE YEAR.		JUNIOR YEAR.		SENIOR YEAR.	
	Hours		Hours		Hours		Hours
Latin, Courses 1, 2,	4	English, Course 3,	1	English, Course 7,	2	Philosophy, Course 3,	1½
English, Courses 1, 2,	3	French or German or Greek	4	Philosophy, Courses 1, 2,	2½	Bible, Course 4,	1
French or German or Greek	4	Science,	4	Bible, Course 3,	1	Elective,	12½
Mathematics, Course 1,	4	History, Courses 1, 2,	3	Elective,	9½		
Bible, Course 1,	1	Bible, Course 2,	1				
		Elective,	2				
Total,	16	Total,	15	Total,	15	Total,	15

GENERAL INSTRUCTIONS.

No student will be enrolled as a member of any class if her conditions exceed what may be made up in one year by a single recitation daily.

The faculty retains the option of forming a class in any elective except upon application of six students.

EXAMINATIONS.

Examinations are ordinarily held at the close of a semester, but may be held at other times at the discretion of the professor. Students who fail to present themselves for examination at the appointed time may secure private examinations only on the payment of a fee of $2.00, and request for such examination must be preferred through the President.

COURSES OF INSTRUCTION.

Greek.

1. **Grammar and Prose Composition,** *First Greek Book* (White).
   Xenophon, *Anabasis* (Goodwin and White).

   4 periods, through the year.

2. **Xenophon,** *Anabasis* continued through Book IV.
   Homer, *Iliad* (Seymour), Books I., II. and III.
   Greek Prose Composition (Pearson).

   4 periods, through the year.

Courses 1 and 2 are open to students not offering Greek in College preparation. Course 2 open to students entering College with one year of Greek as a third language.

3. **Plato,** *Apology, Crito, Selections from the Phædo.*
   Greek Prose Composition.
   Private Reading, Xenophon, *Memorabilia*, Books I. and II.

   4 periods, first semester.

4. **Homer,** *Odyssey.* Two books will be read consecutively. The epic will be studied as a whole from the literary standpoint. Homeric life and antiquities will be studied in detail.
   Greek Prose Composition.
   Private Reading, Demosthenes, *Philippic I., Olynthaics I.–III.*

   4 periods, second semester.

5. Lysias, Selected orations (Wait). Collateral reading on the Attic Orators, Legislative Bodies and Law Practice in Athens.

Greek Prose Composition.

Private Reading, Isocrates, *Panegyricus.*

4 periods, first semester.

6. Aeschylus, *Prometheus Bound* (Mather), **Sophocles,** *Œdipus Tyrannus* (Earle). Private reading on the archæology of the drama, (actors, costumes, buildings, etc.).

Greek Prose Composition.

Private Reading, Euripides, *Medea.*

4 periods, second semester.

7. History of Greek Literature: Lectures with private reading assigned in Greek and English.

Elective.

2 periods, through the year.

8. Herodotus, (Selections), or **Xenophon,** *Cyropaedea;* rapid reading.

Elective.

3 periods, one semester.

9. Aristophanes, *Frogs* or *Clouds.* **Lucian,** Selected dialogues.

Elective, open to Juniors and Seniors.

2 periods, one semester.

10. Advanced Greek Prose: Constructive study of Greek syntax and style.

Elective, advised for those intending to teach Greek.

2 periods, one semester.

11. Introduction to Greek Archæology.

a. An outline course in the study of Greek pottery,

architecture, sculpture, and minor antiquities, illustrated as far as possible.

Elective.
2 periods, first semester.

b. Readings from Pausanias, with lectures on Athens, Olympia, Delphi, Epidaurus and Eleusis as centres of Greek art and worship.

Elective.
2 periods, second semester.

NOTE.—Oral examinations on the courses in private reading are held at the end of each semester.

Latin.

1. **Livy,** Books XXI. and XXII. (Westcott.)

Latin Prose Composition (Gildersleeve).

Private Reading, Vergil, *Æneid, Books VII. and VIII.*

Required of Freshmen.
4 periods, first semester.

2. **Horace,** *Odes and Epodes* (Shorey).

Latin Prose Composition (Gildersleeve).

Private Reading, Cicero, *de Senectute.*

Required of Freshmen.
4 periods, second semester.

3. **History of Latin Literature:** Lectures with private reading assigned in Latin and English.

Elective.
2 periods, through the year.

4. **Tacitus,** *Annals* (Allen).

Private Reading, Pliny, *Selected Letters.*

Elective.
3 periods, first semester.

5. Horace, *Satires and Epistles* (Rolfe). **Juvenal,** *Satires* (Duff).

Private Reading, Tacitus, *Germania.*

Elective.
3 periods, second semester.

6. Cicero, *Letters* (Abbott).

Elective.
2 periods, through the year.

7. Latin Comedy: Selected plays of **Plautus** and **Terence.**

Elective, open to Juniors and Seniors.
2 periods, one semester.

8. Advanced Prose Composition: Constructive study of Latin syntax and style.

Elective, advised for those intending to teach Latin.
2 periods, one semester.

NOTE.—Oral examinations on the courses in private reading are held at the end of each semester.

English Language and Literature.

1. English Composition: Daily themes with exercises in the principles of Description, Narration and Exposition. Text book, Scott and Denney's *Paragraph Writing;* collateral reading of Perry's *Study of Prose Fiction.*

Required of Freshmen.
2 periods, through the year.

2. English Literature: Introductory course, which aims to train the student in intelligent reading of selected literature, to awaken interest in the best

literature, and to cultivate an appreciation of literary form. Essays, topical recitations, and collateral reading.

Required of Freshmen. Open to Special Students.
1 period, through the year.

3. **Rhetoric:** Systematic study of prose form, with practice in the analysis of essays and arguments. Four reviews of standard books and eight essays in popular exposition.

Required of Sophomores.
1 period, through the year.

4. **English Literature and Rhetoric:** Study of the principles of structure in selected fiction, and in epic, lyric, and dramatic masterpieces. A correlate of course 7, designed for students who propose to elect special courses in literature and language.

Elective for Sophomores and Special Students.
2 periods, first semester.

5. **English Literature:** The Nineteenth Century; essays and collateral reading.

Elective, open to five or more Special Students, at the opening of either semester. Those who elect course 5 are expected to take English 1 and 2, and are advised to take History 5 and 6.

2 or 3 periods, one semester.

6. (*a*) **Old English and Chaucer:** Introductory course in the study of the English language. Elementary lessons in Old English as a basis of the pronunciation and reading of Chaucer. Pre-requisites, English 1 and 2.

Elective.
2 periods, first semester.

6. (*b*) **Old English:** Cynewulf's *Elene;* Sievers-Cook's *Grammar of Old English;* lectures on the history of the English language.

Elective, open to Students who have passed 6 (a).
2 periods, second semester.

7. **The History of English Literature:** The development of our literature from the *Beowulf* to Tennyson; a study of the masterpieces of English. Pre-requisites: English 1, 2 and 3. History 5 and 6 (See page 42), and English 4 are recommended as preliminary electives.

Required of Juniors; open to those who have completed courses 1, 2 and 3.
2 periods, through the year.

8. **The Principles of Argumentation:** Study of argumentative writing; preparation of briefs; and practice in debate.

Elective, open to Juniors and Seniors.
2 periods, first semester.

9. (*a*) **The History of Literary Criticism.**

(*b*) **The Interpretation of Literature.** Pre-requisites: English 1, 2, and 4.

Elective, open to Juniors, Seniors and Graduates.
2 periods, second semester.

10. **Shakspere:**

(*a*) The English Drama before Shakspere.

(*b*) The development of Shakspere's mind and his progress in the mastery of dramatic technic. Lectures, essays, and discussions upon ten of the plays.

Elective, open to Seniors and Graduates.
3 periods, first semester.

11. (*a*) **Seminary in English Literature since 1832.**
(*b*) **Seminary in American Literature.**

Elective, open to Seniors and Graduates. Students may choose either a or b. Those planning to elect course 11 are advised to take course 4 in Philosophy. (See page 46.)

3 periods, second semester.

French.

The instruction in this department is so planned that a student who pursues the study of French for four years has an opportunity to study every period in French Literature from the mediæval to the modern.

1. Grammar: Muzzarelli's *Brief Course.* A thorough drill in verbs. **Reading:** Colin, *Contes et Saynettes;* Labiche et Martin, *Le Voyage de Monsieur Perichon;* Sandeau, *Mademoiselle de la Seiglière;* About, *La Mère de la Marquise;* Michelet, *La Prise de la Bastille;* La Fontaine, *Fables.*

Open to students who have offered no French at entrance.
4 periods, through the year.

2. Grammaire francaise: Larive et Fleury, *Deuxième Année.* Drill in letter writing, short lectures on the formation of the French language. Easy English translated into idiomatic French; dictation. Reading: Daudet, *Lettres de Mon Moulin;* Madame de Sévignè, *Lettres;* Merimée, *Colomba;* Bernadin's *Morceaux choisis des classiques français du XVIII ième siècle,* with short lectures and recitations.

Open to students who have had course 1, or its equivalent.
4 periods, through the year.

3. Histoire de la Litterature francaise. Texts: F. Brunetière, R. Doumic. Lectures on the formation of the French Language. Reading: *La Chanson de Roland*, *Aucassin et Nicolette;* Biographies of Christine de Pisan, Villon, Marot, Ronsard, with selections from their works. Brief study of l'Ecole de la Pléiade, its influences.

Elective, open to Freshman who have offered three years of French at entrance.

3 periods, through the year.

4. Precursors of the French Romantic School: Biographies of and selections from Madame de Staël, Rousseau, Chateaubriand, French composition; English translated into French. Dictation.

Elective, open to students who have had course 3 or its equivalent.

3 periods, through the year.

5. The Origin and Development of the French Language and Literature to the Sixteenth Century. Biographies of Balzac, Malherbe, Voiture, Descartes, L'Hotel de Rambouillet, its influence. The Moralists; Larochfoucauld, Calvin, Pascal, Bossuet. Classical tragedy: Critical study of the works of Corneille, Racine.

Elective, open to students who have had courses 3 and 4, or their equivalent.

3 periods, through the year.

6. The Literature of the Nineteenth Century. Lectures and Recitations. The Comedy: Molière, La Fontaine, Voltaire, La Henriade, Boileau, L'Art Poétique, Le Lutrin, selected *Epitres* and *Satires;* V. Hugo, *La Légende des Siècles.*

Elective, open to students who have had course 4, or its equivalent.

3 periods, through the year.

7. The French Theatre of the Nineteenth Century. A rapid reading course. Composition based upon works read. Topics will be assigned for reports, French to be used in all reports and discussions in the class.

Elective, open to students who have had course 4, or its equivalent.

3 periods, through the year.

8. Advanced French Prose. Selected passages from English authors translated into French. Thorough study of syntax, idioms and synonyms. Brunot, *Grammaire des Grammaires.* Composition.

Elective, advised for those who wish to teach French.

2 periods, through the year.

9. Current Events Related in French. Historical subjects assigned for discussion. Historical novels read out of class discussed. General conversation. This course is strictly conversational.

Elective, open to students who have had courses 6 and 7, and who are taking course 8.

1 period, through the year.

NOTE.—All classes are conducted in French. Students are expected to speak French in class.

German.

1. Elementary German. Thomas' *German Grammar*, Part I.; Huss' *German Reader.* Reading of easy narrative prose, as Hauff, *Das Kalte Herz;* Seidel, *Leberecht Hühnchen;* Riehl, *Der Fluch der Schönheit;* Auerbach, *Brigitta;* Freytag, *Die Journalisten;* Wenckebach's *Prose Composition.* Conversation based upon text. Dictation. Abstracts. Poems memorized.

Offered to Freshmen who presented no German at entrance, or as elective for other college students.

4 periods, through the year.

2. Introduction to the Study of German Classics. Schiller, *Wilhelm Tell*, *Maria Stuart;* Lessing, *Minna von Barnhelm;* Goethe, *Hermann und Dorothea*, *Egmont;* Freytag, *Aus dem Mittelalter*. Lectures upon the texts studied and the lives of the authors are given in German. Constant practice in oral and written abstracts and discussion of the text. Selections memorized. Wenckebach's *Prose Composition* continued. Thomas' *Grammar* completed.

Open to students who have taken course 1, or its equivalent.
4 periods, through the year.

3. German Classics Continued. Lessing, *Nathan der Weise;* Schiller, *Wallenstein's Tod*, *Balladen;* Goethe, *Iphigenia;* Scheffel, *Der Trompeter von Säkkingen*, *Ekkehard;* Bernhardt's *Literaturgeschichte* read and memorized, with supplementary reading. Lectures. Abstracts. Essays.

For students electing this course as the required language of the Freshman or Sophomore year an additional hour of German Prose will be required. See Course 4.
3 periods, through the year.

4. Advanced German Prose. Selected passages from English authors translated into German. Original themes upon topics assigned. Careful study of syntax, idioms and synonyms.

Required in connection with Course 3 for students electing that course as required language work of Freshmen or Sophomore year.
Elective for all students who have taken Course 1 or 2, or the required Preparatory work. Especially recommended to those who expect to teach German.
1 period, through the year.

5. Course in Modern Novelists and Dramatists. Rapid reading of selected works from Sudermann, Haupt-

mann, Auerbach, Dahn, Freytag, Grillparzer, Von Kleist.

Elective for students who have taken Courses 1, 2, 3.

2 periods, through the year.

6. Goethe, *Faust*, Part I. Selections from Part II. Critical study of the Faust legend.

Elective for Juniors and Seniors who have taken Courses 1, 2, 3.

2 periods, one semester.

7. German Literature From the Earliest Times to Klopstock. Kluge's *National Literatur* is used as a text-book, accompanied by lectures and reference to the standard histories of literature. Private work upon assigned topics. Extensive reading of representative works of mediaeval literature in modern German translations. Among texts read and discussed are *Das Niebelungenlied*, *Das Gudrunlied*, *Parzifal*, *Tristan und Isolde*, *Der Minnegesang*, *Der Meistergesang*, *Das Volkslied.*

Elective for students who have taken Courses 1, 2, 3, 4, or for advanced students who can read German fluently.

2 periods, one semester.

8. Literature of the Classical Period from Klopstock through Goethe and Schiller. Texts will be chosen to supplement previous study of the classics, as selections from *Der Messiah*, *Oberon*, *Laokoon*, *Don Karlos*, *Braut von Messina*, *Werthers Leiden*, etc.

This course is offered under the same conditions as Course 7, and the same methods of study are observed.

2 periods, one semester.

9. Literature of the Nineteenth Century. Special study of dramatists and lyric poets. Among the texts read are the dramas of Von Kleist, Hauptmann, Gutzkow, and

the poems of Channisse, Uhland, Lenau, Heine, Freiligrath, etc.

A continuation of Courses 7 and 8, and offered under the same conditions.

2 periods, one semester.

10. Germanic Philology.

a. Gothic. Braune's *Gotische Grammatik.* Ulfilas' translations of the Bible. Lectures upon the development of the German language.

Elective for Seniors of sufficient advancement in German.

2 periods, first semester.

b. **Old High German.** Braune's *Abriss der Althochdeutschen Grammatik. Althochdeutschen Lesebuch.*

Continuation of Course *a.*

2 periods, second semester.

NOTE.—German is the language of the class room.

Mathematics.

1. *a.* Solid and Spherical Geometry.

The exercises in Geometry include recitations from the text-book, original demonstrations of propositions, and the application of principles to numerical examples.

3 periods, first semester.

b. **Higher Algebra.**

Subject as treated in Taylor's *College Algebra.*

1 period, first semester.

2 periods, second semester.

c. **Plane Trigonometry.** Wells.

2 periods, second semester.

a, b and c required of Freshmen.

2. Spherical Trigonometry.

Elective.

2 periods, one semester.

3. Plane Analytic Geometry.

The work consists of investigation of the properties of the right line, the circle and the conic sections.

Elective.

4 periods, one semester.

4. Differential Calculus.

Elective.

4 periods, one semester.

5. Integral Calculus.

Elective.

3 periods, one semester.

Astronomy.

Descriptive Astronomy.

Elementary facts and principles with mathematical exercises. Location of the principal constellations. Opportunities given to view with the telescope the sun, moon, planets, stars and nebulæ. (Young's *General Astronomy.*)

Elective, open to all students who have taken required mathematics.

2 periods, through the year.

Physics.

1. Elementary Physics.

The class work will consist of lectures on the subjects of mechanics, sound, light, heat, electricity and magnetism. As far as possible these are illustrated by lecture table experiments. Carhart's University Physics will form the basis of the lecture work.

In laboratory the students are first instructed in the methods of accurate measurement and in the laws governing the equilibrium and motion of bodies. Later they make determinations of electrical quantities, and problems in heat, sound and light are studied.

4 periods, through the year.

NOTE.—This course (or Course 1 in Chemistry) required of Sophomores.

Chemistry.

1. General Inorganic Chemistry. 4 periods a week. Laboratory work, 4 hours a week.

This course does not presuppose a knowledge of Chemistry. It consists of lectures and recitations on the history, occurrence, preparation and properties of the more important non-metallic and metallic elements. Class-room work is supplemented by work in laboratory, where each student prepares and transforms the chief substances studied. The text-books used are Remsen's *College Text-book of Chemistry* and Keiser's *Laboratory Manual.*

4 periods, through the year.

NOTE.—This course (or Course 1 in Physics) required of Sophomores.

2. Qualitative Analysis. 3 periods a week. Laboratory work, 2 hours a week.

This course consists of lectures, reviews and laboratory work in Qualitative Analysis. Ample practice in identifying unknown substances is given to each student. The text-book used is A. A. Noyes' *Qualitative Analysis.*

Elective, open to students who have completed Course 1.
3 periods, first semester.

3. **Quantitative Analysis.** 2 periods a week. Laboratory work, 2 hours a week.

Lectures and Laboratory work in gravimetric and volumetric methods.

Elective, open to students who have completed Course 1.
3 periods, first semester.

4. **Organic Chemistry.** 5 periods a week. Laboratory work, 5 hours a week.

Typical organic compounds, their relations and transformations are studied. In the class-room the work is pursued by lectures and reviews. In laboratory the more simple organic compounds are first studied and the synthesis of more complex substances from these is then taken up. In every preparation attention is given to quantitative results. The text-books followed are Remsen's *Organic Chemistry* and Gattermann's *Practical Methods of Organic Chemistry.*

Elective, open to students who have completed Course 1.
5 periods, second semester.

5. **Lectures on Theoretical Chemistry.** One hour through the year. In this course a systematic study is given to the Atomic, Kinetic and Electrolytic Theories of the constitution of matter.

Elective, open to students who have completed Courses 1 and 4.
1 period, through the year.

6. **Advanced Organic Chemistry.** In this course two hours a week are devoted to lectures on General Methods in Organic Chemistry. Seven to ten hours weekly are spent in laboratory. The problem in laboratory is, in so far as the student is concerned, a problem in original research. To each student is given a complex organic compound whose empirical and structural formula it is her task to determine. This determina-

tion involves the application of the most important laboratory methods used in organic research, such as combustions, molecular weight determinations, etc., and is carried on independently by the student. After the correct solution of this problem, opportunity is offered the student of starting a problem in original work.

Elective, open to students who have completed Courses 1–5, inclusive.

5 periods, through the year.

Biology.

1. Comparative Anatomy of Vertebrates. 4 periods a week. Laboratory work, 4 hours a week.

Course *a*. Lectures are given on the skeleton, muscles, digestive, respiratory, nervous and urinogenital systems of the fish, frog, turtle, pigeon and rabbit as types of vertebrates. In laboratory these forms are carefully dissected, their skeletons are mounted, and correct drawings of different organs are made.

Course *b*. Six weeks' study of the embryology of the frog and chick supplements Course *a*. The work is conducted by lectures and charts and by laboratory work. Each student is given an opportunity to make a collection of sections of embryos at various stages of development.

The text-books followed in Courses *a* and *b* are Parker and Haswell's *Text-book of Zoology*, Morgan's *Embryology of the Frog*, and Foster and Balfour's *Elements of Embryology*.

4 periods, first semester.

2. Systematic Invertebrate Zoology. 4 periods a week. Laboratory work, 4 hours a week.

This course consists of a comparative study of the amœba and other protozoa; of typical members of the following sub-kingdoms: Coelenterata, Platyhelminthes, Nemathelminthes, Trochelminthes, Echinodermata, Annulata, Anthropoda; and of the forms Ascidian and Amphioxus. The text-books followed are Parker and Haswell's *Text-book of Zoology* and Hyatt's *Insecta*.

Elective, open to all students.
4 periods, second semester.

History.

1. The Mediaeval Period. An outline study of the history of Europe from the first century to the Feudal Age. The object of the course is to give a general survey of the political, social and ecclesiastical history of Europe from Augustus to Charlemagne. Particular attention is paid to the causes of the fall of Rome, to the Barbarians, and to the development of the Church. The work of the department is conducted by means of text-books, such as Duruy's *Middle Ages*, Emerton's *Introduction to the Middle Ages*, Andrew's *Institutes*, etc.; also by topical outlines, maps, essays and lectures.

Required of Sophomores.
3 periods, first semester.

2. The Mediaeval Period (continued). An outline study of the history of Europe from the Feudal Age to the Renaissance. In this course particular attention is given to the dominating influence of the Church; to Feudalism; to the formation of the European states; the Holy Roman Empire and the Crusades. The work is conducted as in the first semester.

Required of Sophomores.
3 periods, second semester.

3. The Modern Period. A study of the history of Europe from the beginning of the Renaissance to the Treaty of Westphalia, 1648. This course is a special study of the political and religious history of Europe during the Reformation, by means of biographies, topical outlines and lectures.

Elective, open to those who have completed courses 1 and 3.
4 periods, first semester.

4. The Modern Period (continued). A history of Europe from the close of the Thirty Years War to our own times. Special attention is given to the rise of Prussia, to the French Revolution and the Napoleonic wars.

Elective, open to those who have completed courses 1, 2 and 3.
3 periods, second semester.

5. English History. The work of this course is an outline of general English History from the earliest times to the reign of Edward I. Text, Gardiner's *Students' History*, Green's *History of the English People*. Maps, essays and library work are required.

Elective, recommended to Sophomores wishing to specialize in English Literature, but open to all students.
2 or 3 periods, first semester.

6. English History. This course is a continuation of course 5, from the reign of Edward I. to the present time.

Elective, open to those who have completed course 5.
2 or 3 periods, second semester.

7. French History. This is a course in general French History from the earliest times and through the reign of Louis XIV. The work is conducted by means of

text-books, topical outlines, maps, essays and library work.

Elective, open to all students.
2 periods, first semester.

8. French History. This is a continuation of course 7, from the reign of Louis XIV to the present time.

Elective, open to those who have completed course 7.
2 periods, second semester.

9. English Constitutional History. This course embraces the Constitutional and Political History of England from the English migration to Britain to the reign of Edward I. The student's work is based on Stubb's *History of the English Constitution*, and involves the preparation of papers on assigned subjects.

Elective, open to Seniors who have had courses 5 and 6.
2 periods, first semester.

10. English Constitutional History. This course is a continuation of course 9, and covers the Constitutional and Political History of England to recent times.

Elective, open to Seniors who have had courses 5, 6 and 9.
2 periods, second semester.

11. Private Life and Political Antiquities of the Greeks. This course treats of the environment of the ancient Greek life, its usages and occupations, its ideas and institutions. Based upon Duruy's *Greek History*, Guhl and Koner's *Private Life of the Greeks and Romans*.

Elective, open to Juniors and Seniors.
2 periods, first semester.

12. Private Life and Political Antiquities of the Romans. This course is a continuation of course 11, and has the same treatment. The work is based upon Bury's

Roman Empire, Duruy's *Roman History*, Gibbon's *Rise and Fall of the Roman Empire.*

Elective, open to Juniors and Seniors who have completed course 11.

2 periods, second semester.

History of Art.

1. History of Architecture. This is an outline study of Egyptian, Asiatic and Greek Architecture, based upon Hamlin's *History of Architecture*, the study of photographs and collateral reading. Each student is required to make an illustrated note-book.

Elective, open to all students.

2 periods, first semester.

2. History of Architecture. This course is a continuation of the work of the first semester and is conducted in the same manner. The subjects considered are Early Christian, Byzantine, Romanesque and Gothic Architecture.

Elective, open to those who have had course 1.

2 periods, second semester.

3. History of Sculpture. This course provides for an outline study of Egyptian, Assyrian and Greek Sculpture, special attention being given to Greek Sculpture in the fourth and fifth centuries, B. C. The method of study is the same as in Architecture.

Elective, open to those who have had courses 1 and 2.

2 periods, first semester.

4. History of Sculpture. This course is a continuation of course 3, and takes up the study of Graeco-Roman, Early Christian, Renaissance and Modern Art.

Elective, open to those who have had courses 1, 2 and 3.

2 periods, second semester.

5. History of Painting. This course is an outline study of the Antique and Early Christian period of painting. The method of study is the same as in History of Architecture and Sculpture.

Elective, open to Juniors and Seniors.
2 periods, first semester.

6. History of Painting. This course is a continuation of course 5, and provides for an outline study of the Italian Renaissance and Modern Painting.

Elective, open to those who have taken course 5.
2 periods, second semester.

Philosophy.

1. Psychology. The aim in this course is to give the student a knowledge of the laws and the phenomena of the mind, as well as to cultivate the power of thought. Text-book, James' *Psychology, Briefer Course.* References: Wundt, Kulpe, Titchener, Ladd and others.

Required of Juniors.
3 periods, first semester.

2. Logic. In this course, effort is made to give the student a thorough knowledge of Logic as a science, and of the application of the Syllogism to the forms of deductive reasoning. Text-book, Creighton's *Introductory Logic.*

Required of Juniors.
2 periods, second semester.

3. Ethics. Mackenzie's *Manual of Ethics* is the text-book used in this course, but the students are referred to other works in order that they may be made acquainted with the leading systems of Ethics, and may

also get a clear conception of the basis of obligation and the fundamental principles of morality.

Required of Seniors.
3 periods, first semester.

4. History of Philosophy. An introductory outline of Greek philosophy is followed by a study of the development of modern philosophy. The work of the course will include constant reference to the standard histories of philosophy.

Elective, open to all who have taken the required work in Psychology.
2 periods, second semester.

5. History of Philosophy. The subject of the course will be selected from year to year. Some philosophical movement or single work, such as Kant's *Critique of Pure Reason*, will be carefully and critically studied.

Elective, open to those who have taken course 4.
2 periods, first semester.

6. Christian Evidences. In this course the aim is to give a complete outline of the grounds upon which the Christian system rests, in order that the student may be made acquainted with the arguments for Theistic and Christian belief.

Elective, open to Seniors, Juniors and Sophomores.
2 periods, first semester.

Political Science.

(*a*) Political Economy.

1. Elements of Political Economy. General introductory course. Recitations and discussions on the basis of Bullock's *Introduction to the Study of Economics*.

Elective, open to Seniors and Juniors.
2 periods, first semester.

2. Advanced Economics. This course comprises a brief historical view of the subject and critical studies of the theory of value and wages.

Elective, open to those who have taken course 1,
2 periods, second semester.

(*b*) Social Science.

1. Elementary Social Science. An introductory course upon the nature and methods of Social Science, and upon certain social problems, such as those connected with the family, with race and immigration, and with the dependent classes.

Elective, open to Seniors and Juniors.
2 periods, second semester.

Bible.

1. Studies in Hebrew History from the establishment of the Kingdom to the Fall of Jerusalem.

Required of Freshmen.
1 period, through the year.

2. The Hebrew Prophets. A careful study will be made of the historical setting of the books, the character of each prophet and his message to the people.

Required of Sophomores.
1 period, through the year.

3. Historical Study of the Life of Christ.

Required of Juniors.
1 period, through the year.

4. The Establishment of the Christian Church.

a. The Acts.
b. The Apostolic Letters.

Required of Seniors.
1 period, through the year.

5. Studies in Hebrew Poetry.

Elective, open to Juniors and Seniors
1 period, first semester.

6. Outlines of Church History.

a. The Ancient Church. A rapid survey of the history of the Church from the Apostolic age to the time of Charles the Great.

Elective, open to Juniors and Seniors.
2 periods, first semester.

b. The Mediæval Church. A rapid survey of the history of the Church from the time of Charles the Great to that of the Protestant Reformation.

Elective, open to Juniors and Seniors.
2 periods, second semester.

EQUIPMENT.

Libraries. The College Library, housed in Berry Hall, contains twenty-eight hundred volumes. Students have access to its shelves from 8:15 A. M. to 9:30 P. M. daily. The collection is classified, and provided with a card-catalogue. It is the purpose of the officers of the college to collect and maintain a working library for every department of instruction; a thorough reorganization has augmented the working value of the books already on our shelves. Recently one hundred and thirty-five volumes have been purchased for the department of German language and literature, and about fifty titles of standard works have been added to the Classical and the French collection, respectively. The departments of Biblical literature, history of art, English literature, history, and psychol-

ogy, are provided with the books in constant use, while those needed for occasional or special reference are easily accessible in the neighboring public library. The department of History of Art is further equipped with about four hundred mounted photographs for comparison and special study.

The Carnegie Public Library—distant ten minutes by direct trolley line from the College buildings—is, by courtesy of its directors, free to all resident students, and non-residents may, on the payment of a nominal fee, take out books from the circulating department. Valuable and recent collections for the study of Shakespeare, modern literature, history, art, architecture, sociology, and political science, are accessible to the students of the College, many of the standard works being either upon open shelves or on the lists of circulating works.

Thus, students of the College have ready access to collections aggregating 128,000 volumes.

The College subscribes for fifty periodicals.

Laboratories. The Science department is located on the third floor of Dilworth Hall and is provided with a lecture room, chemical and biological laboratories. The laboratories have been remodeled recently, and are supplied with all modern apparatus necessary for the pursuit of the courses of study offered. The chemical laboratory is equipped with accurate chemical balances, boiling and freezing point apparatus and other facilities for careful quantitative work. Connected with the Chemical laboratory is a stock-room situated on the first floor of Dilworth Hall from which duty-free apparatus is lent to the student for use in the laboratory. This apparatus remains the property of the College and may be returned at any time; but if

broken or used up the student is required to replace it. While no attempt is made to maintain a museum, students have access to a very good collection of minerals, specimens of the rarer elements and their compounds, and representatives of the less readily prepared organic substances. Collections of mounted skeletons illustrating the comparative osteology of typical vertebrates, of preserved and mounted zoological forms, and of charts and microscopical mounts supplement the laboratory equipment in Biology.

An observatory with Brashear reflecting telescope of 4½ in. aperture, equatorially mounted, and necessary charts and models are provided for students in astronomy.

GRADUATE HONORS.

Annie D. Montgomery, A. B. 1902; 1902–'03 Graduate Scholar in Philosophy at Cornell University on a scholarship won by essays written for her Senior class-work in the Pennsylvania College for Women. 1903–'04, Graduate Student in Psychology at Cornell University.

Mary Grier Willson, A. B. 1903. 1902–'03, University Scholar in English at Pennsylvania University on a scholarship won by essays written for Senior class-work in the Pennsylvania College for Women.

Ruth Frances Johnstin, A. B. 1903. 1903–'04, Graduate Scholar in Chemistry in Bryn Mawr College on a scholarship won by papers and records of experiments prepared while a Senior in Pennsylvania College for Women.

COLLEGE STUDENTS.

Seniors.

Blair, Nancy Brown,	Pittsburg.
Carpenter, Elizabeth Roe,	Wilkinsburg.
Eggers, Rebekah,	Pittsburg.
Gray, Jessie Callam,	Pittsburg.
McKee, Edna Garfielda.,	Allegheny.
Thomas, Helen C.,	Pittsburg.
Young, Lida Byron,	Pittsburg.

Juniors.

Fitzgibbon, Frances,	Carnegie.
Kerr, Harriet Bower,	Edgewood Park.

Moore, Helen Carlisle, ... Edgewood Park.
Pew, Nancy Elizabeth, ... Wilkinsburg.
Van Wagener, Florence, ... London, Ohio.

Sophomores.

Madtes, Verna Maud, ... Sharpsburg.
McNitt, Willa Mayes, ... Patterson.
Slutz, Gertrude, ... Pittsburg.
Willson, Anna, ... Allegheny.

Freshmen.

Allison, Edith, ... Wilkinsburg.
Gray, Edith, ... Pittsburg.
Johnson, Bessie, ... Pittsburg.
McKee, Ellen Blanche, ... Wilkinsburg.
Niebaum, Clara, ... Pittsburg.
Proudfit, Melzena, ... Pittsburg.
Stevenson, Grace, ... Coraopolis.
Tatnal, Grace, ... Allegheny.
Walker, Marean, ... Pittsburg.

Special Students.

Buehler, Fannie F., ... Pittsburg.
Eberhardt, Lillian B., ... Pittsburg.
Grimshaw, Jane, ... Pittsfield, Ill.
Lecrome, Dora, ... Wilkinsburg.
McGeagh, Mabel Pearl, ... Pittsburg.
Wick, Helena, ... New Bethlehem.
Williamson, Anne St. Clair, ... Edgewood Park.

Recapitulation.

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PREPARATORY SCHOOL.

The Preparatory School offers a four years' course of study, fitting students for entrance to colleges of the first rank. One year of Grammar Grade work is provided to supplement insufficient preparation on the part of applicants for admission.

Girls not less than twelve years of age, who have passed successfully for the eighth year of the public schools, ordinarily will be admitted to the preliminary year (called Grammar Grade) without examinations. Others may, at the discretion of the Faculty, be subjected to examination in Reading, Spelling, Arithmetic as far as Percentage, Geography and English Grammar (including the parts of speech and parsing of simple sentences).

Girls who have passed for admission to the High Schools of Pittsburg and Allegheny, or other High Schools maintaining an equal standing, will be admitted without examination to the first preparatory year, provided they present satisfactory certificates to that effect. All others may be subjected to examination at the discretion of the Faculty.

Girls seeking admission to an advanced grade may be examined in all prescribed studies leading to that grade.

The scheme of studies in the Grammar Grade and the Preparatory School will be found on the two following pages.

GRAMMAR COURSE.

Mathematics.	English.	Elocution, Etc.	History.	Geography.	Bible.	Total Number of Class Periods Per Week.
Arithmetic beginning with Percentage. Arithmetic Completed, 5 hrs. Elementary Algebra, 3 hrs.	Grammar and Composition, 5 hrs.	Reading, Spelling, } 2 hrs. Writing, 2 hrs.	American History, 4 hrs.	Geography, 2 hrs.	Bible, 1 hr.	24

COLLEGE PREPARATORY COURSE.

Year.	Mathematics.	Latin.	Second Language.	*Third Language.	English.	History.	Bible.	Additional Subjects.	Total Number of Class Periods per Week.
First Year.	Algebra, 5 hrs.	Latin Lessons, 5 hrs.			Principles of Composition, Literature, 4 hrs.	English History, 3 hrs.	Course 1, 1 hr.	Mythology, 1 hr. Drawing, 1 hr.	20
Second Year.	Algebra, 5 hrs.	Eutropius, Nepos, Cæsar, Gellius, 5 hrs.	Greek, French or German, 5 hrs.		Principles of Composition, Literature, 4 hrs.		Course 2, 1 hr.		20
Third Year.	Plane Geometry, 4 hrs.	Cicero, 5 hrs.	Greek, French or German, 5 hrs.		Principles of Composition, Literature, 2 hrs.	Grecian History, 2d semester, 3 hrs. Roman History, 3 hrs.	Courses 3, 4, 1 hr.		20
Fourth Year.	Review Mathematics, 2 hrs.	Vergil, 4 hrs.	Greek, French or German, 4 hrs.	Greek, French or German, 4 hrs.	Rhetoric Principles of Composition, Literature, 3 hrs.		Courses 5, 6, 1 hr.	Physiology, 1 hr.	61

* Physics may be substituted for the third language.

COURSE OF INSTRUCTION.

Latin.

I. The Roman method of pronunciation is used. All quantities are observed from the first, both in pronunciation and writing. Correct and expressive reading of Latin aloud is practiced, with constant attention to quantity.

II. Special attention is given to synonyms and derivative endings as an aid to facility in reading at sight.

III. Exercise in Latin Prose Composition are of three grades: (*a*) prepared beforehand and brought to class in writing (*Latine Scribenda*); (*b*) prepared beforehand and recited orally (*Latine Dicenda*); (*c*) written or recited in class without previous preparation.

IV. A thorough preparation in English Grammar is considered necessary to obtain the best results in the study of Latin. All students must take a preliminary examination in English Grammar to test their readiness in this respect. Poetry will not be accepted as a substitute for prose reading.

1. Elementary Latin. *First Book in Latin* (Tuell and Fowler).

Required in first year.
5 periods, through the year.

2. First Latin Readings (Arrowsmith and Whicher), Eutropius, Nepos, Cæsar and Aulus Gellius. Careful study of construction. Practice in sight-reading. Geography of Roman world. Prose work in Collar's *Practical Latin Composition*, Part III, to bottom p.

107. Allen and Greenough's *Latin Grammar* is used, and during this year Tuell and Fowler's *First Book in Latin* is reviewed.

Required in second year.
5 periods, through the year.

3. Cicero (Allen and Greenough), seven orations. Continued attention to construction, to Roman Constitution, to argument and style of the orations. Practice in sight-reading. Collar, *Practical Latin Composition*, p. 108 through Part IV. General review of Latin Grammar.

Required in third year.
5 periods, through the year.

4. Vergil (Greenough and Kittredge), *Æneid*, six books, with prosody. Practice in sight-reading. Since the pupil is presumed by this time to be well-grounded in construction, this course is studied from a literary standpoint. Style, figures, descriptions and mythology are studied, and photographs of celebrated works of art are used to illustrate the poem.

Required in fourth year.
4 periods, through the year.

Greek.

1. Elementary Greek: *First Greek Book* (White). Xenophon, *Anabasis*, (Goodwin and White). Prose Composition (Pearson).

5 periods, through the year.

2. Xenophon, *Anabasis*, continued through Book IV. Prose Composition continued. Reading at sight and systematic study of Greek Grammar (Goodwin).

5 periods, through the year.

3. Homer, *Iliad* (Seymour), 4 books. *Stories from Herodotus* (Keep). Study of Greek Grammar continued, with particular attention to the irregular verbs of Attic prose.

4 periods, through the year.

English.

***1. Grammar and Composition:** Abbreviations and contractions. Correct use of words. Parts of speech. Parts and kinds of sentences. Punctuation. Study of words and their derivations. Letter-writing. Story-writing. Memorizing poetry.

The work is based upon Longman's *School Grammar.*

***2. Readings:** Irving, *The Legend of Sleepy Hollow;* Bryant, *Sella;* Cooper, *The Spy;* Emerson, *Poems* (selections); Hawthorne, *The Snow-Image;* Longfellow, *The Courtship of Miles Standish* and *Elizabeth;* Whittier, *Poems* (selections); Poe, *The Gold Bug;* Holmes, *Poems* (selections); Lowell, *A Good Word for Winter.*

***3. Outside Readings:**

(*a*) Biography: Field, *Yesterdays with Authors;* Hans Anderson, *Story of My Life;* Irving, *Washington* (abridged).

(*b*) History: Fiske, *War of Independence;* Dickens, *A Child's History of England.*

(*c*) Nature Study: A. B. Paine, *Hollow-Tree and Deep-Woods Book;* Ernest Thompson-Seton, *Wild Animals I Have Known* and *Lives of the Hunted;* R. Jefferies, *Life of the Fields.*

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* English prescribed for Grammar Grade.

(*d*) Poetry: Stevenson, *A Chila's Garden of Verses;* Macaulay, *Lays of Ancient Rome;* Shakspere, *Mid-Summer Night's Dream;* Bryant, *Family Library of Poetry and Song* (selections).

(*e*) Fiction: Defoe, *Robinson Crusoe;* Bunyan, *Pilgrim's Progress;* Lamb, *Tales from Shakspere;* Ruskin, *King of the Golden River;* Hale, *A Man Without a Country;* Hawthorne, *Wonder Book* and *Tanglewood Tales;* Alcott, *Little Women* and *Little Men;* Kingsley, *Greek Heroes;* Mrs. Gaskell, *Cranford.*

The *Heart of Oak* series of Literary Readers and *An Introduction to the Study of American Literature* by Brander Mathews are used in this department.

Certificates will be awarded to those students who complete satisfactorily all the *outside readings* recommended to the members of this department. To be considered competitors for this honor, students must enter their names with the instructor not later than the first day of November; must submit, promptly, at stated times, note books conforming to the instructor's definite directions concerning the work, and must attain an average standing not lower than eighty-five per cent. in tests written in class. Note-books and papers will be examined by a Committee of Award not later than the third week in May.

The presentation of this certificate excuses a student from examination in English for the next higher class.

A Prize will be given to that student whose note-book upon the *outside readings* best merits commendation for (1) neatness, (2) orderly and intelligent arrangement, (3) the number and appropriate character of pictures illustrative of these readings. The prize will be a valuable edition of an American poet.

1. Principles of Composition: Maxwell and Smith's *Writing in English.* Form of Paragraph. Form of Sentence. Punctuation. Practice in Paragraph writing. Practice in Sentence writing.

Required in first year.
2 periods, through the year.

2. Literature: (*a*) Cooper, *Last of the Mohicans;* Thomas, *Selections from Irving;* Longfellow, *Evangeline;* Whittier, *Snowbound.*

Required in first year.
2 periods, through the year.

(*b*) Whittier, *Favorite Poems;* Thoreau's *Succession of Forest Trees, Wild Apples* and *Sounds;* Holmes, *My Hunt After the Captain* and *Favorite Poems;* Stowe, *Oldtown Folks;* Miss Wilkins, *A New England Nun;* J. T. Field, *Yesterdays with Authors;* Mrs. Field, *Whittier;* Fiske, *War of Independenee;* Scudder, *George Washington*; Lucy Larcom, *New England Girlhood.*

Required home readings.

(*c*) Cooper, *Deerslayer*; Irving, *Sketch Book*; S. Longfellow, *Life of Longfellow*; Franklin's *Autobiography*; Hawthorne, *Snow Image* and *David Swan*; Whittier, *The Tent on the Beach*; Holmes, *Autocrat of the Breakfast Table*; Burroughs, *Birds and Bees*; Stowe, *Uncle Tom's Cabin*; Poe, *Fall of the House of Usher*; Lincoln, *Speeches* (in *Little Masterpieces*).

Suggested home readings.

1. Principles of Composition: Paragraph structure. Sentence structure. Figures of speech. Choice of words. Outline Work. Description. Practice in ten-minute themes. Narration.

Text-book used is *Writing in English*, by Maxwell and Smith.

Required in second year.
2 periods, through the year.

2. Literature: (*a*) Lowell, *Vision of Sir Launfal*; Coleridge, *Ancient Mariner*; George Eliot, *Silas Marner*; Lowell, *My Garden Acquaintance*; Goldsmith, *Vicar of Wakefield*; Shakspere, *Merchant of Venice* and *Julius Cæsar*.

Required in second year.
2 periods, through the year.

(*b*) Lowell, *A Good Word For Winter*, *A Moosehead Journal* and *At Sea;* G. W. Curtis, *James Russell Lowell;* Scott, *Lady of the Lake* and *Lay of the Last Minstrel;* Byron, *Prisoner of Chillon;* Burns, *Cotter's Saturday Night;* Irving, *Goldsmith;* Coleridge, *Favorite Poems;* Wordsworth, *Favorite Poems;* Defoe, *Robinson Crusoe;* Swift, *Gulliver's Travels.*

Required home readings.

1. Principles of Composition. Outline-work. Narration. Practice in ten minute themes.

Text-book used is Mead's *Practical Composition and Rhetoric.*

2. Literature. (*a*) Scott, *Ivanhoe;* Tennyson, *Princess;* Addison, *Sir Roger de Coverley Papers;* Shakespeare, *Macbeth.*

Required in third year.
2 periods, through the year.

(*b*) George Elliott, *Adam Bede;* Dickens, *David Copperfield;* Thackeray, *Newcomes* or *Vanity Fair;* Carlyle, *Choice of Books;* Lamb, *Essays of Elia;* Southey, *Favorite Poems;* Pope, *Rape of the Lock.*

Required home readings.

1. Principles of Composition and Rhetoric. Outline work. Theme structure. Exposition.

Text-book used is Mead's *Practical Composition and Rhetoric.*

Required in fourth year.
1 period, through the year.

2. **Literature.** (*a*) Macaulay, *Essays on Milton* and *Addison;* Pope, *Iliad;* Milton, *Poems;* Carlyle, *Essay on Burns;* Burke, *Speech on Conciliation.*

Required in fourth year.
2 periods, through the year.

(*b*) Milton, *Paradise Lost;* (Books I. and II.); Burns, *Poems* (selections); Stevenson, *Treasure Island* or *New Arabian Nights;* Jane Austen, *Pride and Prejudice;* Cervantes, *Don Quixote* or Hugo, *Les Miserables.*

Required home readings.

French.

Course I. Muzzarelli, *Brief French Course.* First Part: Study of the regular and the commoner irregular verbs. Easy translation of English into French. Whitney's *Introductory French Reader.* Fables memorized. Dictation.

5 periods, through the year.

Course II. Larive et Fleury, *Première Année.* Study of irregular verbs. English into French. Bercy, *La Langue Française.* Fables memorized. Lamartine, *Graziella;* Le Brète, *Mon Oncle et mon Curé.* Dictation.

5 periods, through the year.

Course III. Larive et Fleury, *Deuxième Année.* Syntax. Blouet, *Primer of French Composition;* La Fontaine, *Select Fables;* Marmier, *Le Protégé de Maria Antoinette ;* Michelet, *La Prise de la Bastille;* Belfond, *La France Littéraire au XIX. Siécle.* Ducoudray, *Histoire de France.* Dictation.

4 periods, through the year.

German.

Course 1. Joynes and Meissner's *Grammar.* Part I. Reading: Easy stories, as Grimm's *Märchen;* Heyse, *L'Arrabbiata;* Strom, *Immensee;* Von Hillern, *Höher als die Kirche;* Zschokke, *Der Zerbrochene Krug;* Baumbach, *Die Nonna;* Bernhardt's *Prose Composition.* Conversation based upon text. Poems memorized. Dictation.

5 periods, through the year.

Course 2. Joynes and Meissner's *Grammar* completed. Easy narrative prose continued, as Hauff, *Das Kalte Herz;* Heyse, *Das Mädchen von Treppi;* Frommel, *Eingeschneit;* Riehl, *Das Spielmannskind ; Der Stumme Ratsherr;* Baumbach, *Der Schwiegersohn;* Bernhardt's *Prose Composition* completed. Constant practice in oral and written abstracts of texts read. Poems memorized. Dictation. Conversation.

5 periods, through the year.

Course 3. Spanhoofd's *Deutsche Grammatik.* Introduction to study of German Classics. Schiller, *William Tell; Jungfrau von Orleans;* Lessing, *Minna von Barnhelm;* Gœthe, *Hermann und Dorothea; Dichtung und Wahrheit;* Heine, *Die Harzreise.* Lec-

tures are given in German upon these works and the lives of the authors. Written and oral abstracts required. Harris' *Prose Composition.*

4 periods, through the year.

Mathematics.

1. Algebra. Wentworth's *New School Algebra.* The fundamental operations, factoring, fractions, equations of the first degree with one or several unknown quantities, powers and roots, theory of exponents, and radicals.

Required in first year.
5 periods, through the year.

2. Algebra. Wentworth's *New School Algebra.* Quadratic equations, inequalities, ratio and proportion, arithmetical and geometrical progressions, binomial theorem for positive and negative exponents, logarithms, variations, permutations and combinations.

Required in second year.
5 periods through the year.

3. Plane Geometry. Wells. Inventional geometry, demonstrations of propositions, original exercises, numerical problems and examples of logic.

Required in third year.
4 periods through the year.

4. Mathematics Reviewed. A review of courses 1, 2, 3.

Required in fourth year.
2 periods through the year.

Physics.

1. A preliminary survey of the general properties of matter, followed by a more careful study of the gen-

eral principles of Mechanics and Hydrostatics. This course is *supplemented by the use of many and varied numerical problems*, and requires a knowledge of Algebra and Plane Geometry.

Required in fourth year.
4 periods, first semester.

2. Heat, Light, Sound and Electricity.

Required in fourth year.
4 periods, second semester.

Both courses include a series of laboratory exercises selected from the list of those recommended by the Uniform College Entrance Examination Board of the Middle States and Maryland. The Preparatory School is thoroughly equipped with the Physical apparatus necessary for this course of study,

Anatomy, Physiology and Hygiene.

1. This course is conducted by lectures. Its purpose is to instil intelligent ideas of sanitary conditions, based upon practical knowledge of plumbing, drainage, and ventilation. Hints will be given in regard to the protection of health at home and abroad, particularly in the matter of observing the laws of quarantine, personal, municipal, and maritime. Laboratory methods are employed, and, where possible, tests are made of the purity of water, milk and food. A manikin, models of the eye, ear, brain, throat and other organs, a skeleton and an abundance of charts facilitate clear demonstrations of the matter treated in the lectures. The department is in charge of a graduated physician.

Required in fourth year.
1 period, through the year.

History.

1. English History (Montgomery), with maps, notebook and biographical sketches.

Required in first year.
3 periods, through the year.

2. Mythology (Guerber).

Required in first year.
1 period, through the year.

3. Grecian and Roman History (Myers' *General History*) to 476 A. D., with maps, notebook and biographical sketches.

Required in third year.
3 periods, through the year.

4. French History (Montgomery).

Class may be formed in second year.
2 periods, through the year.

Bible.

1. Stories from the Old Testament.

Scripture selections are memorized in connection with these lessons.

Required in first year.
1 period, through the year.

2. The Beginnings of Hebrew History.

This course carries forward the History of the Children of Israel from the Exodus to the settlement in Canaan.

Required in second year.
1 period, through the year.

3. The Period of the Judges.

Required in third year.
1 period, first semester.

4. The United Kingdom.

Required in third year.
1 period, second semester.

5. The Divided Kingdom.

Required in fourth year.
1 period, first semester.

6. The Captivity and Restoration.

Required in fourth year.
1 period, second semester.

Physical Training.

Systematic training in the gymnasium is required of all resident students unless excused for physical reasons. Class instruction to day students is optional and is given without extra charge. Each student is examined by the director with reference to physical development before being admitted to classes, and further examinations are made during the year,

The Ling, or Swedish System of Physical Training is used. The Educational and Corrective elements play an important part in each lesson. Attention is paid to Æsthetic Dancing as a means of developing ease and grace of carriage, and to Games as a factor in gaining alertness and self-control.

The gymnasium is a large, well ventilated building, equipped with chest weights, rowing machines, balance swings and other apparatus. The regulation shoes and suit prescribed by the director must be worn by all admitted to the gymnasium.

The Athletic Association affords exceptional opportunities for golf, tennis, basket-ball and kindred sports.

Elocution.

Private instruction is given in Elocution, including breathing, tone placing, development and control of voice, emphasis, rhythm and exercises to acquire a clear, distinct articulation.

Studies in dialect, pathetic, humorous and dramatic recitations, and selected scenes from Shakespeare are included in advanced work.

GENERAL INSTRUCTIONS.

Any student desiring to pursue the study of Music and Art in connection with the Preparatory Course should allow one year longer for its completion.

Students may be admitted to the Preparatory School for fewer than the required number of hours per week, but Latin and Mathematics must be selected among the subjects. French and German will not be assigned until after one year's work in Latin.

Certificates will be granted to all who satisfactorily complete the course as given in the Preparatory School, and these certificates will pass students without conditions into the Freshman Class.

The session for recitations is from a quarter of nine in the morning until two o'clock in the afternoon, with thirty minutes for luncheon. Day students who desire it may have their luncheons with the resident students at a small charge.

Students of the Grammar Grade ordinarily are dismissed before luncheon.

PREPARATORY STUDENTS.

Fourth Year. '04

BAKER, PLEASAUNCE,	Oakmont.
*BLAIR, MARGRETTA,	Pittsburgh.
*BOTKIN, MABEL,	Duquesne.
*STANTON, ANNA,	Pittsbugh.
*STEWART, MARY,	Wilmerding.

Third Year.

*ARNETT, RUTH,	Fairmont, W. Va.
BARBOUR, ISABELLE,	Pittsburgh.
*BIXLER, IRMA,	Pittsburgh.
*CRAIG, MAY,	Pittsburgh.
CRAIGHEAD, SOPHIA,	Edgewood Park.
*DARRAGH, HAZEL,	Pittsburgh.
*DIEHL, VIRGINIA,	Pittsburgh.
*HANEY, CAROLINE,	Pittsburgh.
JONES, EDNA,	Pittsburgh.
KRESS, ELSIE,	Pittsburgh.
MILLER, SUE,	Duquesne.
*MCMILLAN, EDITH,	Allegheny.
*RUTH, PORTER,	Tyrone.
*TOWNSEND, ELIZABETH,	Pittsburgh.

Second Year.

AHL, WILLA,	Pittsburgh.
*ASKIN, ETHEL,	Pittsburgh.
BICKEL, ELIZABETH,	Pittsburgh.
*BULLOCK, CORNELIA,	Pittsburgh.
CUNNINGHAM, LOIS,	Pittsburgh.
*DICKENSON, ESTELLE,	Pittsburgh.
DIESCHER, IRMA,	Pittsburgh.

*One Condition.

Dougherty, Jane, ... Crafton.
Durbin, Grace, ... Pittsburgh.
Flynn, Anita, ... Pittsburgh.
*Gallaher, Agnes, ... Pittsburgh.
Greenawalt, Margaret, ... Pittsburgh.
Kimball, Mary, ... Pittsburgh.
Mickel, Florence, ... Pittsburgh.
Miller, Mary, ... Pittsburgh.
Mills, Lillian, ... St. Paul, Minn.
McEwan, Sallie, ... Pittsburgh.
McFarlane, Jean, ... Pittsburgh.
*McKibben, Elma, ... Pittsburgh.
*McKibben, Beulah, ... Pittsburgh.
Newell, Laura, ... Wilkinsburg.
Poole, Lulu, ... Pittsburgh.
*Robitzer, Marie, ... Pittsburgh.
Rollings, Jean, ... Crafton.
*Slater, Lillian, ... Pittsburgh.
*Slocum, Laura, ... Pittsburgh.
Todd, Mary, ... Pittsburgh.
Watterson, Nelle, ... New Kensington.
Weaver, Marguerite, ... Pittsburgh.
*Young, Alice, ... Pittsburgh.

First Year.

Bell, Martha, ... Pittsburgh.
Bennett, Carrie, ... Pittsburgh.
Bennett, Essie, ... Pittsburgh.
Burgoyne, Anna, ... Verona.
Eberhart, Elma, ... Pittsburgh.
Francies, Marie, ... Pittsburgh.
Goeddel, Henrietta, ... Pittsburgh.
Gray, Frances, ... Pittsburgh.
Haney, Marguerite, ... Pittsburgh.
Hazlett, Marie, ... Pittsburgh.
*Hanlin, Laura, ... Florence.
Hitchcock, Lena, ... Indiana, Pa.
*Humphrey, Marie, ... Brookville.

*One Condition.

JENKINS, MARGUERITE, ... Pittsburgh.
JOSEPH, STELLA, ... Allegheny.
*KELLARMAN, MAUDE, ... Wilkinsburg.
LONGANECKER, ELLEN, ... Pittsburgh.
LYSINGER, IRENE, ... Pittsburgh.
*MARTIN, LILLIAN, ... Pittsburgh.
MEALY, LYDA, ... Bridgeport, Pa.
MILLER, ELVA, ... Pittsburgh.
MOHN, ANNABEL, ... Pittsburgh.
MUGELE, MARGUERITE, ... Pittsburgh.
MUNROE, ANNIE, ... Pittsburgh.
McCRUM, JULIA, ... Pittsburgh.
*McGOGNEY, MABEL, ... Wilson, Pa.
NORMECUTT, AIMEE, ... Pittsburgh
NEEPER, AGNES, ... Pittsburgh.
*PACKER, MARGUERITE, ... Pittsburgh.
PALMER, HELEN, ... Pittsburgh.
PARKER, VIRGINIA, ... Pittsburgh.
PFEIL, FLORENCE, ... Pittsburgh.
PFEIL, MARY, ... Pittsburgh.
PORTER, EMILY, ... Pittsburgh.
PRITCHARD, VIOLA, ... Pittsburgh.
SEMPLE, EMMA, ... Pittsburgh.
SCHAFFNER, CHARLOTTE, ... Pittsburgh.
SCHULER, BERTHA, ... Pittsburgh.
SCOTT, MARGARET, ... Pittsburgh.
SHEPPARD, MARIE, ... Pittsburgh.
SHROM, HILDA, ... Pittsburgh.
SPEER, MARY, ... Pittsburgh.
STURGEON, BERTHA, ... Pittsburgh.
TAGGART, JEAN, ... Pittsburgh.
THOMSON, ISABEL, ... Pittsburgh.
VAN TINE, NELLIE, ... Pittsburgh.
WALKER, CLAIRE A., ... Pittsburgh.
WARD, ESTELLE, ... Pittsburgh.
WARFEL, MARY, ... Wilkinsburg.
WILSON, FLORENCE, ... Crafton.
WRIGHT, MABEL, ... Pittsburgh.
*ZOLLER, CARRIE, ... Pittsburgh.

*One Condition.

Grammar Grade.

Ahl, Caroline,	Pittsburgh.
Kiser, Anne,	Pittsburgh.
Koerner, Nettie,	Pittsburgh.
Lumley, Madeline,	Pittsburgh.
Longanecker, Carrie,	Pittsburgh.
Lyle, Bessie,	Pittsburgh.
Montgomery, Frances,	Sewickley.
Morrison, Florence,	Pittsburgh.
Miller, Ruth,	Pittsburgh.
McAbee, Ruth,	Pittsburgh.
Reiber, Hilda,	Pittsburgh.
Rush, Florence,	Pittsburgh.
Sorg, Marie,	Pittsburgh.
Stadtfield, Carrie,	Pittsburgh.
Stonerod, Mabel,	Pittsburgh.
Thomas, Carol,	Pittsburgh.
Taylor, Edith,	Pittsburgh.
Urling, Marie,	Pittsburgh.
Ward, Martha,	Pittsburgh.
Warner, Emeline,	Allegheny.
Wylie, Mary Martha,	Pittsburgh.
Williams, Grace,	Pittsburgh.

Irregular Students.

Aiken, Margaret,	Pittsburgh.
Aiken, Marion,	Pittsburgh.
Aiken, Mildred,	Pittsburgh.
Baxmyer, May,	Pittsburgh.
Cotton, Gertrude,	Pittsburgh.
Dickey, Ruth,	Pittsburgh.
Darr, Ruth,	Pittsburgh.
Fickes, Sara Marie,	Wilkinsburg.
George, Ruth,	Allegheny.
Gabel, Lulu,	Pittsburgh.
Harman, Elizabeth,	Pittsburgh.
Hays, Ella,	Louisville, Ky.
Jackson, Elizabeth,	Pittsburgh.

King, Jane,	Pittsburgh.
Logan, May,	Chicago, Ill.
Martin, Jean,	Pittsburgh.
Maxwell, Fanny,	Millersburg, Ohio.
McCracken, Elizabeth,	Pittsburgh.
McDonald, Julia,	Aliquippa.
McFarlane, Edith,	Pittsburgh.
Schwerd, Lenora,	Allegheny.
Stone, Margaret,	Pittsburgh.
Sanford, Violet,	Carnegie.
Yoder, Elizabeth,	Pittsburgh.

Recapitulation.

Fourth Year,	5
Third Year,	14
Second Year,	30
First Year,	52
Grammar Grade,	22
Irregular Students,	24
Total,	147

SCHOOL OF MUSIC.

Course of Study in Piano.

Students completing the full course will receive testimonials of Musical Scholarship after passing a test examination.

First Year.

Instruction in the rudiments of Music and Notation. Formation of the touch, using Plaidy's *Technical Studies* and Weik's *Method.* Simple Scales, Lebert and Stark, Vol. I., and easy pieces by Duvernoy, Heller, Reinecke and Lichner. Sonatines by Clementi and Kuhlau.

Second Year.

Music Tonality and the Grammar Music.

Technical course will embrace Plaidy's *Simple Technique*, Scale Studies, Etudes of Czerny, and the *Schule der Technique*, Vol. I.; Lebert and Stark, Vol. II.; *Phrasing Studies* by Heller, and pieces from Jensen, Heller, Mozart, Mendelssohn, Reinecke, and selections from the *Sonaten Studien*, by Kohler.

Third Year.

Sight reading.

Schule der Technique, finishing Book I., and commencing Book II.

Gradus ad Parnassum, by Clementi, arranged by Karl Tausig, Etudes by Heller, Jensen and Moscheles.

Selections from the preludes of Chopin and Heller. Sonatas by Haydn, Beethoven and Schubert.

Pieces from Chopin, Schumann, Mendelssohn, Field, Liszt; and selections from the *Alte Meisters*, as arranged by Paner and Saint-Saëns.

Harmony: Richer or Allrechtsberger methods.

Fourth Year.

A Normal Year—Technical Course. The *Schule der Technique*, Vol. III. Lebert and Stark, selections from Book III. and IV. *Octave Schule* of Kalluk. Wm. St. Bennett, Op. 11. Selections from Bach's works, as arranged by Reinecke. Sonatas and concertos of the Old Masters. Pieces from Chopin, Rubinstein, Liszt, Weber, Schumann, Saint-Saëns, Mendelssohn and Beethoven.

Sixteen Pianos are available for practice, and all practice is under the supervision of a competent assistant.

Course of Study in Organ.

A practical knowledge of the organ has long been regarded by musicians as of great importance, and its value as a factor in the acquirement of purity of touch and style in piano playing is clearly recognized. The constantly increasing demand for organists for both town and city churches renders it also extremely desirable that students of music should fit themselves to enter upon this field of usefulness. The possession by the College of a fine three-manual organ completes the equipment of the School of Music, and makes it

possible to offer to students advantages equal to those of any similar institution.

The text-book used in the course is *The Organ*, a theoretical and practical treatise by Frederic Archer. It is followed by selections from English, French and German composers.

Course of Study in Violin.

First Year.

Instruction in the proper position of the body, bow, left hand and arm. Production of tone with the bow and correct action of the fingers of the left hand. Studies in the first position for intonation, rhythm and various bowings.

Easy pieces with accompaniment of piano. Duets for two violins.

Second Year.

Exercises in the first to third position. Studies in bowing and left hand technique by Kayser, Dont, Sevcik.

Scale Studies by Shradieck.

Pieces by Dancla, Sitt, Papini and others.

Third Year.

Studies in the higher positions and pieces employing them. Twenty-four studies by Dont from the *Gradus ad Parnassum.*

Fourth Year.

Studies by Kreutzer. Special Studies in bowing by Sevcik. Book I, Op. 36, by Sauret. Viotti concertos. Concertino by David. De Beriot concertos.

Fifth Year.

Studies by Fiorillo and Rode. Book III, Op. 36,

by Sauret. Concertos by Viotti, Rode, Kreutzer and David. Concerto pieces by Sauret, Wieniawski and Vieuxtemps.

Twenty-four *Matinees* by Gavienees. Twenty *Grands Etudes* by Sauret. Twenty-four Etudes, Op. 35 from *Gradus ad Parnassum* by Dont. Twelve Etudes by Minkons. Twenty-four Caprices by Paganini. Six solo sonatas by J. S. Bach. Concertos by Spohr, Mendelssohn, Beethoven, Vieuxtemps, Wieniawski. Sonatas by Corelli, Bach, Handel, Tartini, Mozart and Beethoven. Concert pieces by Leonard, Alard, Ernst, Saint-Saëns and others.

Courses of Study in Voice Culture.

Instruction in vocal music consists of half hour private lessons, and class drills in which all voice pupils are expected to take part.

The Italian method of voice building is employed, special attention being given to correct breathing, tone production, phrasing and clear enunciation.

Marchesi's *Art of Singing* is assigned for technical work, in connection with "*Vocalizes*" by Marchesi, Abt, Concone, Luetgen and other eminent composers, as the advancement of the student justifies.

The course of instruction is designed to establish a repertoire in Church, Concert, Oratorio and Operatic Music, versatility being recognized as of the essence of vocal accomplishment.

A Choral Class meets once a week under the direction of the instructor in vocal music. The class is free to any students desirous of joining, the only obligation being prompt and regular attendance at the rehearsals and concerts which take place during the year.

SCHOOL OF ART.

All work done in the studio has for its object the development of a feeling for Art. The method of Mr. Arthur W. Dow, of the Pratt Institute, Brooklyn, is followed. It is Mr. Dow's theory that Art is Beauty, and that the basis of Art is Design. His system aims to help the student at the very outset to form a beautiful arrangement of the objects to be represented. Studies are made from still-life, casts, nature and life; the work is done in charcoal, pencil, pen-and-ink, oil, water-color and pastel. A model poses daily for the members of the life class.

A course in Designing has been outlined for the teaching of surface decoration. Designs for wall-papers, chintzes, carpets and tiling are worked out by the students.

The studio is a large, well-lighted room, furnished with collections of pottery, draperies and casts, to which yearly additions are made. It is supplied also with works of reference, such as Arthur Dow's *Composition*, Walter Crane's *Decoration*, and the magazine entitled *The International Studio*.

A medal is awarded, after a year's study, to the student who shows the greatest progress toward mastery of the principles of Art; but no award will be made unless the work done reaches the required standard.

STUDENTS IN PIANO, ORGAN, VOICE AND ART.

Piano.

Bixler, Irma
Blair, Margaretta
Burgoyne, Anna
Burgoyne, Florence
Cotton. Gertrude
Dair, Ruth
Flynn, Anita
Fownes, Sara
Fownes, J. A.
Hanlin, Laura
Haslett, Margretta
Humphrey, Marie
Jackson, Elizabeth
Koerner, Nettie
Logan, May
Marshall, Jean
Marshall, R. B.
Martin, Lillian
Montgomery, Bess
McDonald, Julia
McGogney, Mabel
Naylor, Margaret
Pfeil, Mary
Pool, Lulu
Riddile, Mary
Rollings, Jean
Sanford, Violet
Steivenart, Zalla
Stewart, Esma
Stone, Margaret
Tomisreed, Elizabeth
Urling, Marie

Organ.

Bauman, Myrtle
Hanlin, Laura
Riddile, Mary
Sheppard, Marie

Harmony.

Hanlin, Laura
Logan, May

Voice.

Akons, Edith
Cotton, Gertrude
Gabel, Lulu
Martin, Lillian
Maxwell, Fannie
Montgomery, Elizabeth
Porter, Ruth
Sanford, Violet
Schaffner, Charlotte
Yoder, Elizabeth

Art.

Baker, Pleasaunce
Hays, Ella
Joseph, Stella
Martin, Jean
McCrum, Julia
Porter, Ruth
Stone, Margaret

General Recapitulation.

College,	32
Preparatory School,	147
Music only,	11
Total,	190

EXPENSES AND TERMS.

Day Students.

	PER YEAR.
Tuition—Collegiate,	$125.00
Preparatory (except Grammar Grade),	125.00
Grammar Grade,	100.00

Resident Students.

	PER YEAR.
Tuition,	$125.00
Table Board,	175.00
Room rent (including light, heat and furnished room),	100.00
Pew rental, Presbyterian Church,	5.00

Other denominations at church rates.

Washing plain pieces, per dozen, 50 cents.

Washing dresses extra.

Board during vacations, per week, $7.00.

Music Department.

	PER TERM.
Piano—Two ½-hour lessons each week,	$50.00
One ½ " " " "	30.00
Voice—Two ½-hour lessons each week,	50.00
One ½ " " " "	30.00
Use of Piano, three periods, daily practice,	10.00
Ensemble Playing and Sight-reading—Class of four, for one period a week, each student,	25.00

	PER TERM.
Violin, Professor's prices,	
Guitar, " "	
Organ—One hour each week,	$50.00

Art Department.

	PER TERM.
Painting—Oil or Water Color—8 hours per week,	$50.00
Drawing—Pencil or Crayon—8 hours per week,	50.00
Portrait and Miniature Painting—8 hours per week,	50.00

Department of Elocution and Physical Culture.

	PER TERM.
Elocution, private lessons, 2 lessons a week,	$50.00
Physical Culture, in classes of four, twice a week, each student,	25.00
Physical Culture, private lessons, twice a week,	50.00

Extra Charges.

Laboratory fee, per year (biology class),	$15.00
" " " " (chemistry class),	15.00
" " " " (physics class),	5.00
Luncheon,	.30
" four tickets,	1.00

In exceptional cases resident students may be received as five day pupils,—*i. e.*, they may be allowed to go home on Saturday morning and return Monday morning,—but this arrangement is not considered desirable, and no reduction in the charges for board and room will be made on this account.

No charge for tuition will be made to daughters of ministers resident in the College. A reduction of $25.00 will be made to day pupils who are daughters of ministers or of professional teachers actually engaged in teaching.

Instruction in class gymnastics, class elocution and choral music is included in the tuition fee.

Books, stationery, and sheet music are furnished at regular prices.

All bills for boarding, tuition and extras are due one-half on first day of the year and the remainder February 1st. The payment must be made before the student may take her place in the class room, unless special arrangement has been made with the President. All checks should be made payable to David McK. Lloyd, Treasurer, and sent to the President, Pennsylvania College for Women, Pittsburgh, Pa.

It is understood that all arrangements for the study of music are made for the entire term. Lessons cannot be discontinued except for valid reasons, and due notice must be given. No deduction will be made for lessons lost by the student.

As engagements with instructors and other provisions for the education of students are made by the College for the entire year in advance, *no deduction can be made in the charge for tuition for either resident or day students.*

No degrees will be conferred unless all bills due to the College by the candidate have been paid.

The telephone being for College business purposes, no student will be called to the telephone, nor will any message be delivered, except in cases of illness or similar urgency.

APPLICATION FOR ROOMS.

All applications will be registered and rooms not engaged by former students will be assigned according to the date of application. The bed rooms are generally arranged for two students, and are comfortably furnished. Single rooms require an additional fee. There are no undesirable bed rooms in the College buildings. Any information concerning the rooms will be given upon application to the Secretary.

A deposit of ten dollars is necessary to secure a room. This amount will be credited on the first payment, or will be refunded if a wish to relinquish the room is made known before August 1.

Each applicant will be furnished with a copy of the Regulations, which must be signed by her and her parent or guardian, and returned with the room deposit.

Resident students are received for *the year only*, or so much of it as remains at the time of entrance. Parents or guardians will be held responsible for full payment for resident students from *the date at which they had engaged to enter their daughter or ward until the close of the year in June, and no deduction will be made in bills because of absence or premature withdrawal except in case of serious and protracted illness, when the loss for board and room will be equally shared.*

All unnecessary wear of carpets, furniture, etc., is charged to the students occupying the room.

ROUTES AND CONVEYANCES.

The College is reached from the centre of the city by any of the lines of electric cars running out Fifth Ave., which carry passengers to the College entrances on Woodland Road and Murray Hill Avenue, or by cabs at the stations, which will convey passengers to the door of the College.

Strangers on arriving in the city at Union Depot may obtain all needed information by inquiring of the Excelsior Express and Standard Cab Company, which also delivers baggage at the College. Students entering the city on the Penna. R. R. will find it a convenience to check all baggage to the East Liberty Station.

Expressage.

All express matter to students should be sent *prepaid* by *Adams Express* to *East Liberty Station, Penna.*, otherwise added expressage is charged for conveyance from the city office to the College.

SCHOLARSHIPS.

The Helen E. Pelletreau Scholarship.

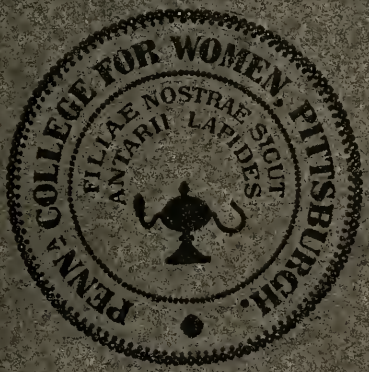
A fund has been raised by the Alumnæ to establish a scholarship in the honor of Miss Helen E. Pelletreau, for many years the able and beloved President of the College. This fund has not yet been made up to the full amount necessary, and contributions to it are earnestly solicited. They should be sent to Mrs. Charles L. Taylor, Irving Place, 5533 Ellsworth Avenue, Pittsburgh.

The Mary Hawes Nevin Scholarship.

To fulfill a wish expressed by the late Mary Hawes Nevin, an alumna of the Class of 1896, her family have given the sum of $6,000.00 to establish a scholarship to bear her name, and thus perpetuate the memory of her beautiful life and her interest in young women ambitious of the advantage of a college course.

Thirty-Fifth Annual Catalogue 1904-1905

Pennsylvania College for Women



THIRTY-FIFTH

ANNUAL CATALOGUE

Pennsylvania College for Women

PITTSBURGH, PA.

1904-1905

T. B. & H. B. COCHRAN,
PRINTERS,
LANCASTER, PA.

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CALENDAR FOR 1905.

JANUARY.						
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CALENDAR.

1904.		
20 Sept.,	Tuesday,	Examinations for Admission.
20 Sept.,	Tuesday,	First Semester begins—Enrollment.
21 Sept.,	Wednesday,	Recitations begin.
24 Nov.,	Thursday,	Thanksgiving Day.
22 Dec.,	Thursday, 12 M.,	Christmas Vacation begins.
1905.		
3 Jan.,	Monday, 6 P. M.,	Christmas Vacation ends.
23 Jan.,	Tuesday,	Examinations begin.
30 Jan.,	Monday,	Second Semester begins.
30 Mar.,	Thursday, 12 M.,	Spring Vacation begins.
10 April,	Monday, 6 P. M.,	Spring Vacation ends.
20 May,	Saturday,	May Day Fête.
29 May,	Monday,	Examinations begin.
1 June,	Thursday, 3 P. M.,	Closing Exercises of the Preparatory School.
1 June,	Thursday, 8 P. M.,	Annual Concert.
2 June,	Friday,	Annual Meeting of the Alumnæ.
3 June,	Saturday, 3 P. M.,	Class Day.
4 June,	Sunday,	Baccalaureate Sermon.
5 June,	Monday,	Commencement.
19 Sept.,	Tuesday,	Examinations for Admission.
19 Sept.,	Tuesday,	First Semester begins—Enrollment.
20 Sept.,	Wednesday,	Recitations begin.
23 Nov.,	Thursday,	Thanksgiving Day.
21 Dec.,	Thursday, 12 M.,	Christmas Vacation begins.
1906.		
2 Jan.,	Tuesday, 6 P. M.,	Christmas Vacation ends.
28 Jan.,	Monday,	Examinations begin.
1 Feb.,	Monday,	Second Semester begins.
11 June,	Monday,	Commencement.

BOARD OF TRUSTEES.

TERM EXPIRES IN 1905.

Rev. Wm. L. McEwan, D. D., Lawrence Dilworth,
S. E. Gill, W. H. Rea,
Mrs. C. H. Spencer.

TERM EXPIRES IN 1906.

Rev. R. M. Russell, D. D., W. N. Frew,
J. B. Finley, J. C. Gray,
Mrs. W. S. Miller.

TERM EXPIRES IN 1907.

Rev. H. D. Lindsay, D. D., Oliver McClintock,
Rev. J. K. McClurkin, D. D., David McK. Lloyd,
Mrs. E. H. Nevin.

OFFICERS OF THE BOARD.

President, ... S. E. Gill.
Vice-President, ... Rev. R. M. Russell, D. D.
Secretary, ... Wm. H. Rea.
Treasurer, ... D. McK. Lloyd.

Executive Committee.

Lawrence Dilworth, *Chairman.*
Oliver McClintock. W. H. Rea.

Committee on Faculty and Studies.

Rev. J. K. McClurkin, D. D., *Chairman.*
Rev. H. D. Lindsay, D. D. Mrs. E. H. Nevin.

Committee on House Visitation.

Mrs. E. H. Nevin, Mrs. W. S. Miller.
Mrs. C. H. Spencer.

Auditing Committee.

James C. Gray, Rev. Wm. L. McEwan, D. D.
J. B. Finley.

FACULTY.

REV. SAMUEL A. MARTIN, D. D.,
President,
Philosophy.

ELIZABETH EASTMAN, A. B.,
Dean,
History of Art.

MARY JANE PIKE,
Professor Emeritus, Greek and Latin.

JANE B. CLARK, A. M.,
Mathematics.

MARY W. BROWNSON, A. B.,
English Bible and Modern European History.

ALICE T. SKILTON, A. B.,
German Language and Literature.

DOROTHY A. HAHN, A. B.,
Chemistry and Biology.

JOSEPHINE DE VALLAY,
French Language and Literature.

MARY D. LEWIS, A. B.,
English Language and Literature.

ELIZABETH B. ARMSTRONG, A. B.,
Mediaeval and English History.

MARGARET HOLMAN, A. B.,
Greek.

LAURA CAROLINE GREEN, A. B.,
Latin.

JANET L. BROWNLEE,
Principal of Preparatory School.

THE PENNSYLVANIA COLLEGE FOR WOMEN, PITTSBURGH, PA.

Pennsylvania College for Women is a school of Liberal Culture for young women.

Its purpose is to give such instruction and discipline as shall best qualify young women for the duties and responsibilities of life.

To develop character, to refine taste and to promote sound learning is the aim of all its efforts.

To this end we have established a full classical course of study embracing all the branches of Mathematics, Ancient and Modern Languages, Science and Philosophy, usually taught in our best colleges, while special emphasis is placed on English Composition and Literature, and liberal provision is made for the study of History and Philosophy.

In addition to the classical course, leading to the degree of Bachelor of Arts, we have made special provision for the study of Music and of Art.

It is unquestionable that the best training that can be given for the development of the mind and the cultivation of scholarly taste is the standard classical course.

There are, however, some who have special talent in Music or Art, and who cannot take up these studies in addition to the full classical course. For these we have marked out a course of study which includes a judicious selection of Literature, History, Philosophy and Science, and yet leaves as much time for the study

of Music or Art as can be profitably employed in these studies.

The location of the College is unequalled in the opportunities afforded for the study of either Music or Art.

The formation of character is by far the most important part of education and is the chief concern of all the college management. Of course, it is true that morals and manners cannot be taught in the classroom and by text-book, as mathematics or languages are taught, but it is also true that the student can be so influenced by instruction and example and associations that the results in culture and refinement and reverent habits of thought are as definite as the results in any other department of training.

The religious culture of the student is regarded as of supreme importance, and, while the college is not sectarian, it is distinctly and deeply religious.

The College is situated in the East End of Pittsburgh, about four miles from the City Hall, and in the centre of the choicest residence district which the city contains. It has convenient access by electric cars both to the business sections and the parks and suburbs. The campus is a finely shaded tract of eleven acres, embracing a hill crest on which the buildings are situated. The plot owned by the College is part of one many times as large, containing the homes of a few families of wealth. The only entrance to this tract is by a private road, and as there are no fences between the several properties, the College is practically located in a large private park, thus securing abundance of space and air, wide view, and opportunities for outdoor sports, combined with a delightful and wholesome privacy not easy to command in a great city. Indeed, it is safe to say that few situations

combine the advantages of city and country to a degree equal to that of the Pennsylvania College of Women.

The buildings of the College are large and handsome and well adapted to their purpose. They are so disposed as to receive the sunshine on all sides in the course of the day. Their position on a hill top makes them always dry. They are fitted with the best sanitary plumbing, heated by steam and lighted with gas. They are three in number, but so connected as practically to be one, so that no exposure to the weather is involved in passing from one to another. Berry Hall is mainly devoted to dormitories and public rooms for the use of the faculty and resident students, though it also contains the library, class-rooms and a large study hall. Dilworth Hall is chiefly devoted to the chapel and assembly hall, class-rooms, laboratories and art studio. The Music Hall contains a spacious gymnasium on the first floor, and on the second floor ample rooms for musical instruction and practice. The College can at present accommodate not more than one hundred resident students. As nearly all the members of the faculty live in the College there is made possible a frequency and closeness of contact between professors and students, and a community of interest approaching that which obtains in a well-ordered home, which, while not curtailing the reasonable liberty of the student, cannot fail to be of the highest advantage.

Among other benefits which accrue to the College by reason of its position in the heart of a great city is its nearness to the Carnegie Institute, with its splendid Library, containing 125,000 volumes; its Museum, rich in collections in zoology, paleontology, ethnography and the mechanic arts; its Art Gallery, which, besides maintaining a valuable permanent collection of paint-

ings, draws examples of the best work of living artists in this country and abroad to its annual prize exhibitions; and its fine Music Hall, at which are offered opportunities second to none in the land to hear the best music rendered by the most eminent artists of the world. The Institute can be reached from the College in fifteen minutes, and all its privileges except those in music, and some even of these, may be freely enjoyed by the students.

REQUIREMENTS FOR ADMISSION.

Applicants for admission to the Freshman Class must be at least sixteen years of age. Registration blanks will be provided by the College on application. These blanks, properly filled and signed, must be received by the President before September 1st. A registration fee of five dollars will be charged. This will be credited on the first payment for tuition, or speedily refunded if notification of withdrawal is sent before August 15th. No student will be entered for examination or accepted on certificate before the payment of this fee.

All applicants for admission, whether to the Freshman Class, to advanced standing, or to partial courses, must present satisfactory testimonials of good moral character. Those who come from other Colleges must also bring certificates of honorable dismission. Admission to the Freshman Class may be gained either by examination or by presentation of certificate from an approved High School or Academy. Each of these methods is outlined below.

Admission on Examination.

Applicants for admission may be examined either during the week preceding Commencement or on September 20th. Those who wish to be examined in June should notify the Registrar before June 1st, those who wish to be examined in September, before September 12th.

Admission on Certificate.

Students from such high schools and academies as may be approved by the Faculty are admitted to the Freshman Class without examination, on the presentation of certificates showing that they have completed the requisite amount of preparatory study. Blank forms of such certificates will be furnished instructors on application to the President, with whom they are invited to correspond. Applicants for admission are requested to present their certificates, or send them by mail to the Registrar during the week preceding Commencement, or as soon thereafter as practicable. When the requirements given below have not been met exactly the equivalents offered must be stated in detail. When they have not been met in full, the applicant may be required to pass the usual examination in any or all the requirements. Students received on certificate are regarded as upon probation during the first semester, and those deficient in preparation may be dropped whenever the deficiency has been clearly demonstrated.

Admission to Advanced Standing.

Students seeking admission to an advanced grade may be examined in all prescribed studies antecedent to that grade, as well as in the elective studies neces-

sary for the full quota of hours, but full credit will be given to such certificates as they bring from their previous instructors. No one is admitted to the Senior Class after the beginning of the second semester.

Admission to Special Courses.

Students may be received to take special studies for which their previous education has fitted them, but those who have not fulfilled all the requirements for matriculation must satisfy the faculty as to their preparation for the courses they desire to pursue.

REQUIREMENTS FOR ADMISSION TO THE FRESHMAN CLASS.

I. Languages (Other Than English).

(1) **Latin.**

(These requirements are based upon the recommendations of the American Philological Association.)

a. i. LATIN GRAMMAR: The inflections; the simpler rules for composition and derivation of words; syntax of cases and the verbs; structure of sentences in general, with particular regard to relative and conditional sentences, indirect discourse and the subjunctive; so much prosody as relates to accent, versification in general, and dactylic hexameter.

ii. LATIN COMPOSITION: Translation into Latin of detached sentences and very easy continuous prose based upon Cæsar and Cicero.

b. CÆSAR: Any four books of the *Gallic War*, preferably the first four.

c. CICERO: Any seven orations from the following list, but preferably the first six mentioned (Manilian Law being accepted as the equivalent of two orations):

The four orations against Cataline, Archias, Manilian Law, Marcellus, Roscius, Milo, Sestius, Ligarius, the fourteenth Philippic.

d. VERGIL: The first six books of the *Æneid.*

Pronunciation after the Roman method is preferred. Equivalents will be accepted, but verse will not be considered a substitute for prose, nor will anything be accepted for translation of English into Latin. An examination in sight reading will be given.

For (*b*) may be substituted the work required in Course 2 in the Latin course of the Preparatory School. (See p. 56.)

(2) *If Physics be offered, a three years' course in one of the following languages, and if Physics be not offered, an additional course of at least one year in a second, is required.*

(*a*) **French.** The entrance requirements in French correspond to the three years' course offered in the Preparatory School. (See page 62.)

The examination in French is intended to test the candidate's knowledge of pronunciation and ordinary grammatical forms as well as her power to read at sight ordinary French prose and verse. Three years, five hours per week, will be required for preparation, which should include constant exercise in translating English into French.

(*b*) **German.** The entrance requirements in German correspond to the three years' course offered in the Preparatory School. (See page 63.)

An equivalent amount of reading will be accepted.

Students must be able to translate ordinarily difficult German at sight, and to translate simple connected prose from English into German.

A thorough knowledge of German grammar will be required, and the ability to express one's self in German and to follow a recitation conducted in that language.

Frequent practice is recommended in oral and written abstracts of texts read, and in memorizing selected passages.

(*c*) **Greek.**

(These requirements are based upon the recommendations of the American Philological Association.)

a. i. GREEK GRAMMAR: The topics for the examination in Greek grammar are similar to those detailed under Latin grammar.

ii. GREEK PROSE COMPOSITION, consisting principally of detached sentences to test the candidate's knowledge of grammatical construction.

The examination in grammar and prose composition will be based on the first two books of Xenophon's *Anabasis.*

b. XENOPHON: The first four books of the *Anabasis.*

c. HOMER: The first three books of the *Iliad* (omitting II., 494–end).

An examination in sight reading will be given, based on passages from the *Anabasis.*

II. English.

The requirement in English is that recommended by the Conference on Uniform Entrance Requirements in English for Middle States and Maryland.

NOTE.—No candidate will be accepted in English whose work is notably defective in point of spelling, punctuation, idiom or division into paragraphs.

a. READING.—A certain number of books will be set for reading. The candidate will be required to present evidence of a general knowledge of the subject-matter, and to answer simple questions on the lives of the authors. The form of examination will usually be the writing of a paragraph or two on each of several topics, to be chosen by the candidate from a considerable number—perhaps ten or fifteen—set before her in the examination paper. The treatment of these topics is designed to test the candidate's power of clear and accurate expression, and will call for only a general knowledge of the substance of the books. The candidate is expected to read intelligently all the books prescribed. She is not expected to know them minutely, but to have fresh in mind their most important parts. **In every case knowledge of the book will be regarded as less important than the ability to write good English.** In preparation for this part of the requirements, it is important that the candidate shall have been instructed in the fundamental principles of rhetoric.

The books set for tnis part of the examination will be:

In 1903, 1904, 1905: Shakespeare's *The Merchant of Venice* and *Julius Cæsar;* The *Sir Roger de Coverley Papers* in the Spectator; Goldsmith's *The Vicar of Wakefield;* Coleridge's *The Ancient Mariner;* Scott's *Ivanhoe*; Tennyson's *The Princess;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner;* Carlyle's *Essay on Burns.*

In 1906, 1907 and 1908: Shakespeare's *Macbeth* and *The Merchant of Venice;* The *Sir Roger de Coverley Papers;* Irving's *Life of Goldsmith;* Coleridge's *The Ancient Mariner;* Scott's *Ivanhoe* and *The Lady of the Lake;* Tennyson's *Gareth and Lynette, Lancelot and Elaine* and *The Passing of Arthur;* Lowell's *The Vision of Sir Launfal;* George Eliot's *Silas Marner.*

b. STUDY AND PRACTICE.—This part of the examination presupposes the thorough study of each of the works named below. The examination will be upon subject-matter, form and structure. In addition, the candidate may be required to answer questions involving the essentials of English grammar, and questions on the leading facts in those periods of English literary history to which the prescribed works belong.

The books set for this examination will be:

1902 to 1905: Shakespeare's *Macbeth;* Milton's *Lycidas*, *Comus*, *L'Allegro* and *Il Penseroso;* Burke's *Speech on Conciliation with America;* Macaulay's *Essays on Milton and Addison.*

Attention is called to the following recommendations of the Conference on Uniform Entrance Requirements in English:

1. That English be studied throughout the elementary and secondary school courses, and, when possible, for at least three periods a week during the four years of the high school course.

2. **That the prescribed books be regarded as a basis for such wider courses of English study as the schools may arrange for themselves.**

3. That where careful instruction in idiomatic English translation is not given, supplementary work to secure equivalent training in diction and in sentence structure be offered throughout the high school course.

4. **That a certain amount of outside reading, chiefly of poetry, fiction, biography and history, be encouraged throughout the entire school course.**

5. That definite instruction be given in the choice of words, in the structure of sentences and of paragraphs, and in the simple forms of narration, description, exposition and argument. Such instruction should begin early in the high school course.

6. That systematic training in speaking and writing English be given throughout the entire school course. That, in the high school, subjects for composition be taken partly from the prescribed books and partly from the student's own thought and experience.

7. That each of the books prescribed for study be taught with reference to

a. The language, including the meaning of words and sentences, the important qualities of style, and the important allusions.

b. The plan of the work, *i. e.*, its structure and method.

c. The place of the work in literary history, the circumstances of its production, and the life of its author.

That all details be studied, not as ends in themselves, but as means to a comprehension of the whole.

III. Mathematics.

(1) ALGEBRA. — Elementary operations, radicals, theory of exponents, inequalities, quadratic equations, ratio, proportion, variation, arithmetic and geometric progressions, permutations and combinations, binomial theorem for positive, negative and fractional exponents, and logarithms.

(2) PLANE GEOMETRY, complete. Wentworth or Wells, first five books.

IV. Science.

Physics, Carhart and Chute, *Elements of Physical Science*, or equivalent. Laboratory work consisting of at least forty experiments taken from the manual must be shown by note book certified by the instructor to be the original work of the student. As noted above, one year of a third language may be substituted for Physics.

V. History.

Greek and Roman History to 476 A. D.

The work offered for entrance must be fully equal in grade to that done in the history courses in the Preparatory School (page 68).

REQUIREMENTS FOR GRADUATION.

Extensive changes in the curriculum were put in force with the beginning of the Academic year 1901–1902. Previous to that time the college had provided two courses of study, leading to the degrees of A. B. and B. L., respectively. Beginning with the Academic year 1902–1903, the B. L. course was merged into the A. B. course, which now offers a much wider choice of elective studies than was previously permitted.

The course of study is as follows:—

In order to graduate, students must have pursued a course of sixty-one (61) year hours, distributed between prescribed and elective work in the proportion of thirty-seven (37) and twenty-four (24), respectively. By a year hour is meant a course of one hour per week pursued through an academic year, or its equivalent. A course of two hours per week continued through one semester, for example, would constitute such an equivalent. The prescribed work includes the following courses:—

Latin.—Courses 1, 2.

English.—Courses 1, 2, 3, 7.

Other Languages.—A total of eight year hours in one or two of the following languages:

French
or
German
or
Greek.

Mathematics.—Course 1.

Science:—

Chemistry.—Course 1.
or
Physics.—Course 1.

History.—Courses 1, 2.

Philosophy.—Courses 1, 2, 3.

Bible.—Courses 1, 2, 3, 4.

The elective work must be distributed among the courses offered in the several years as specified in the following tabular statement:

TABULAR STATEMENT OF CURRICULUM.

FRESHMAN YEAR.		SOPHOMORE YEAR.		JUNIOR YEAR.		SENIOR YEAR.	
	Hours		Hours		Hours		Hours
Latin, Courses 1, 2,	4	English, Course 3,	1	English, Course 7,	2	Philosophy, Course 3,	1½
English, Courses 1, 2,	3	French, or German, or Greek,	4	Philosophy, Courses 1, 2,	2½	Bible, Course 4,	1
French, or German, or Greek,	4	Science,	4	Bible, Course 3,	1	Elective,	12½
Mathematics, Course 1,	4	History, Courses 1, 2,	3	Elective,	9½		
Bible, Course 1,	1	Bible, Course 2,	1				
		Elective,	2				
Total,	16	Total,	15	Total,	15	Total,	15

GENERAL INSTRUCTIONS.

No student will be enrolled as a member of any class if her conditions exceed what may be made up in one year by a single recitation daily.

The faculty retains the option of forming a class in any elective except upon application of six students.

EXAMINATIONS.

Examinations are ordinarily held at the close of a semester, but may be held at other times at the discretion of the professor. Students who fail to present themselves for examination at the appointed time may secure private examinations only on the payment of a fee of $2.00, and request for such examination must be preferred through the President.

GRADUATE WORK.

The graduate work of the College is in the hands of a special committee of the Faculty, which receives applications for registration, and advises accepted students as to the proper courses to be undertaken. Graduates of the Pennsylvania College for Women, or of other institutions in which the requirements for a baccalaureate degree are substantially equivalent, may, upon recommendation of the Committee of Graduate Study, enter upon work for the degree of Master of Arts.

Advanced courses appropriate for graduate study leading to the higher degree are described in the outlines of courses of various departments. Some courses are open to both graduate and undergraduate students; graduates pursuing these courses must maintain a standard of work sufficiently high to satisfy the Committee of Graduate Study in order to receive graduate credit.

The amount of work required of a candidate for the degree of Master of Arts is equivalent to fifteen hour courses, pursued during a period of residence not shorter than one year. Candidates for this degree are required to pass examinations in one major and at least one minor subject, which have been determined upon not later than October 15th of the year in which the examinations will be taken. While the student is advised to choose one minor subject, she may, with the

approval of her examining committee, select a second minor in the same department as the major. The major and one minor must be in separate departments in order that the heads of at least two departments in which she pursues courses shall conduct the examinations; but the subjects should be so related as to indicate a definite acquisition in scholarship on the part of the student. A thesis in the major subject, due not later than May 1st, will be required to complete the work for the Master's degree.

A graduate of the Pennsylvania College for Women, who has completed one full year of continuous graduate study in a leading American University, may make application to the Graduate Committee, or to the Committee on Scholarship and Standing of this College, for the degree of Master of Arts, on condition that she comply with the following requirements, namely, that she present the University Registrar's Certificate of Credit for graduate work completed, together with a thesis and a letter from the Chairman of her Examining Committee of the University, certifying that her scholarship and amount of work successfully finished entitle her to the University examination for the Master's degree, and that he approves her application for such a degree from the Pennsylvania College for Women.

Tuition and laboratory fees paid by graduate students are the same as those paid by undergraduates. The charge for a diploma is ten dollars.

COURSES OF INSTRUCTION.

Greek.

1. **Grammar and Prose Composition,** *First Greek Book* (White).
   Xenophon, *Anabasis* (Goodwin and White).
   4 periods through the year.

2. **Xenophon,** *Anabasis* continued through Book IV.
   Homer, *Iliad* (Seymour), Books I., II. and III.
   Greek Prose Composition (Pearson).
   4 periods through the year.

Courses 1 and 2 are open to students not offering Greek in College preparation. Course 2 open to students entering College with one year of Greek as a third language.

3. **Plato,** *Apology*, *Crito*, *Selections from the Phædo.*
   Greek Prose Composition.
   Private Reading, Xenophon, *Memorabilia*, Books I. and II.
   4 periods, first semester.

4. **Homer,** *Odyssey.* Two books will be read consecutively. The epic will be studied as a whole from the literary standpoint. Homeric life and antiquities will be studied in detail.
   Greek Prose Composition.
   Private Reading, Demosthenes, *Philippic I.*, *Olynthaics I.–III.*
   4 periods, second semester.

5. Lysias, Selected orations (Wait). Collateral reading on the Attic Orators, Legislative Bodies and Law Practice in Athens.

Greek Prose Composition.

Private Reading, Isocrates, *Panegyricus.*

4 periods, first semester.

6. Aeschylus, *Prometheus Bound* (Mather); **Sophocles,** *Œdipus Tyrannus* (Earle). Private reading on the archæology of the drama (actors, costumes, buildings, etc.).

Greek Prose Composition.

Private Reading, Euripides, *Medea.*

4 periods, second semester.

7. History of Greek Literature: Lectures with private reading assigned in Greek and English.

Elective.

2 periods through the year.

8. Herodotus (Selections), or **Xenophon,** *Cyropædea;* rapid reading.

Elective.

3 periods, one semester.

9. Demosthenes, *Oration on the Crown;* Lectures on the Attic Orators.

Elective.

3 periods, one semester.

10. Aristophanes, *Frogs* or *Clouds;* **Lucian,** Selected dialogues.

Elective, open to Juniors and Seniors.

2 periods, one semester.

11. Advanced Greek Prose: Constructive study of Greek syntax and style.

Elective, advised for those intending to teach Greek.

2 periods, one semester.

12. Introduction to Greek Archæology.

a. An outline course in the study of Greek pottery, architecture, sculpture and minor antiquities, illustrated as far as possible.

Elective.

2 periods, first semester.

b. Readings from Pausanias, with lectures on Athens, Olympia, Delphi, Epidaurus and Eleusis as centres of Greek art and worship.

Elective.

2 periods, second semester.

NOTE.—Oral examinations on the courses in private reading are held at the end of each semester.

Latin.

1. Livy, Selections from Books I., XXI. and XXII. (Westcott).

Latin Prose Composition (Gildersleeve).

Private Reading, Vergil, *Æneid, Books VII. and VIII.*

Required of Freshmen.

4 periods, first semester.

2. Horace, *Odes and Epodes* (Shorey).

Latin Prose Composition (Gildersleeve).

Private Reading, Cicero, *De Senectute.*

Required of Freshmen.

4 periods, second semester.

3. History of Latin Literature: Lectures with private reading assigned in Latin and English.

Elective.

2 periods, through the year.

4. Tacitus, *Annals* (Allen).

Private Reading, Pliny, *Selected Letters.*

Elective.

3 periods first semester.

5. Horace, *Satires and Epistles* (Rolfe); **Juvenal,** *Satires* (Duff).

Private Reading, Tacitus, *Germania.*

Elective.

3 periods, second semester.

6. Cicero, *Letters* (Abbott).

Elective.

2 periods, through the year.

7. Latin Comedy: Selected plays of **Plautus** and **Terence.**

Elective, open to Juniors and Seniors.

2 periods, one semester.

8. Advanced Prose Composition: Constructive study of Latin syntax and style.

Elective, advised for those intending to teach Latin.

2 periods, one semester.

NOTE.—Oral examinations on the courses in private reading are held at the end of each semester.

English Language and Literature.

1. English Composition: Daily themes with exercises in the principles of Description, Narration and Exposition. Text-book, Scott and Denney's *Paragraph Writing;* collateral reading of Perry's *Study of Prose Fiction.*

Required of Freshmen.

2 periods, through the year.

2. English Literature: Introductory course, which aims to train the student in intelligent reading of selected literature, to awaken interest in the best literature, and to cultivate an appreciation of literary form. Essays, topical recitations and collateral reading.

Required of Freshmen. Open to Special Students.

One period, through the year.

3. Rhetoric: Systematic study of prose form, with practice in the analysis of essays and arguments. Four reviews of standard books and eight essays in popular exposition.

Required of Sophomores.
1 period, through the year.

4. English Literature and Rhetoric: Study of the principles of structure in selected fiction, and in epic, lyric and dramatic masterpieces. A correlate of course 7, designed for students who propose to elect special courses in literature and language.

Elective for Sophomores and Special Students.
2 periods, first semester.

5. English Literature: The Nineteenth Century; essays and collateral reading.

Elective, open to five or more Special Students, at the opening of either semester. Those who elect Course 5 are expected to take English 1 and 2, and are advised to take History 5 and 6.
2 or 3 periods, one semester.

6. (*a*) **Old English and Chaucer:** Introductory course in the study of the English language. Elementary lessons in Old English as a basis of the pronunciation and reading of Chaucer. Pre-requisites, English 1 and 2.

Elective.
2 periods, first semester.

6. (*b*) **Old English:** Cynewulf's *Elene;* Sievers-Cook's *Grammar of Old English;* lectures on the history of the English language.

Elective, open to Students who have passed 6 (*a*).
2 periods, second semester.

7. The History of English Literature: The development of our literature from the *Beowulf* to Tennyson; a

study of the masterpieces of English. Pre-requisites, English 1, 2 and 3. History 5 and 6 (see page 42), and English 4 are recommended as preliminary electives.

Required of Juniors; open to those who have completed Courses 1, 2 and 3.
2 periods, through the year.

8. The Principles of Argumentation: Study of argumentative writing, preparation of briefs, and practice in debate.

Elective, open to Juniors and Seniors.
2 periods, first semester.

9. (*a*) **The History of Literary Criticism.**
(*b*) **The Interpretation of Literature.** Pre-requisites, English 1, 2 and 4.

Elective, open to Juniors, Seniors and Graduates.
2 periods, second semester.

10. Shakspere:
(*a*) The English Drama before Shakspere.
(*b*) The development of Shakspere's mind and his progress in the mastery of dramatic technic. Lectures, essays and discussions upon ten of the plays.

Elective, open to Seniors and Graduates.
3 periods, first semester.

11. (*a*) **Seminary in English Literature since 1832.**
(*b*) **Seminary in American Literature.**

Elective, open to Seniors and Graduates. Students may choose either *a* or *b*. Those planning to elect Course 11 are advised to take Course 4 in Philosophy (see page 46).
3 periods, second semester.

French.

The instruction in this department is so planned that a student who pursues the study of French for

four years has an opportunity to study every period in French Literature from the mediæval to the modern.

1. **Grammar:** Muzzarelli's *Brief Course;* a thorough drill in verbs. **Reading:** Colin, *Contes et Saynettes;* Labiche et Martin, *Le Voyage de Monsieur Perichon;* Sandeau, *Mademoiselle de la Seiglière;* About, *La Mère de la Marquise;* Michelet, *La Prise de la Bastille;* La Fontaine, *Fables.*

Open to students who have offered no French at entrance.
4 periods, through the year.

2. **Grammaire Francaise:** Larive et Fleury, *Deuxième Année.* Drill in letter writing; short lectures on the formation of the French language; easy English translated into idiomatic French; dictation. Reading: Daudet, *Lettres de Mon Moulin;* Madame de Sévignè, *Lettres;* Merrimée, *Colomba;* Bernadin's *Morceaux choisis des classiques Française du XVIII ième siècle,* with short lectures and recitations.

Open to students who have had Course 1 or its equivalent.
4 periods, through the year.

3. **Histoire de la Litterature Francaise.** Texts: F. Brunetière, R. Doumic. Lectures on the formation of the French Language. Reading: *La Chanson de Roland, Aucassin et Nicolette;* Biographies of Christine de Pisan, Villon, Marot, Ronsard, with selections from their works. Brief study of l'Ecole de la Pléiade, its influences.

Elective, open to Freshmen who have offered three years of French at entrance.
3 periods, through the year.

4. **Precursors of the French Romantic School:** Biographies of and selections from Madame de Staël, Rosseau,

Chateaubriand, French composition; English translated into French; dictation.

Elective, open to students who have had Course 3 or its equivalent.

3 periods, through the year.

5. The Origin and Development of the French Language and Literature to the Sixteenth Century. Biographies of Balzac, Malherbe, Voiture, Descartes, L'Hotel de Rambouillet, its influence. The Moralists: Larochfoucauld, Calvin, Pascal, Bossuet. Classical tragedy: Critical study of the works of Corneille, Racine.

Elective, open to students who have had Courses 3 and 4, or their equivalent.

3 periods, through the year.

6. The Literature of the Nineteenth Century. Lectures and Recitations. The Comedy: Molière, La Fontaine, Voltaire, La Henriade, Boileau, L'Art Poétique, Le Lutrin, selected *Epitres* and *Satires;* V. Hugo, *La Légende des Siècles.*

Elective, open to students who have had Course 4, or its equivalent, and to graduates.

3 periods, through the year.

7. The French Theatre of the Nineteenth Century. A rapid reading course. Composition based upon works read. Topics will be assigned for reports, French to be used in all reports and discussions in the class.

Elective, open to students who have had Course 4, or its equivalent.

3 periods, through the year.

8. Advanced French Prose. Selected passages from English authors translated into French. Thorough study of syntax, idioms and synonyms. Brunot, *Grammaire des Grammaires.* Composition.

Elective, open to graduates and advised for those who wish to teach French.

2 periods, through the year.

9. Current Events Related in French. Historical subjects assigned for discussion. Historical novels read out of class discussed. General conversation. This course is strictly conversational.

Elective, open to students who have had Courses 6 and 7, and who are taking Course 8.

1 period, through the year.

NOTE.—All classes are conducted in French. Students are expected to speak French in class.

German.

1. Elementary German. Thomas' *German Grammar*, Part I.; Huss' *German Reader*. Reading of easy narrative prose, as Hauff, *Das Kalte Herz;* Seidel, *Leberecht Hünchen;* Riehl, *Der Fluch der Schönheit;* Auerbach, *Brigitta;* Freytag, *Die Journalisten;* Wenckebach's *Prose Composition*. Conversation based upon text; dictation; abstracts; poems memorized.

Offered to Freshmen who presented no German at entrance, or as elective for other college students.

4 periods, through the year.

2. Introduction to the Study of German Classics. Schiller, *Wilhelm Tell*, *Maria Stuart;* Lessing, *Minna von Barnhelm;* Goethe, *Hermann und Dorothea*, *Egmont;* Freytag, *Aus dem Mittelalter*. Lectures upon the texts studied and the lives of the authors are given in German. Constant practice in oral and written abstracts and discussion of the text. Selections memorized. Wenckebach's *Prose Composition* continued. Thomas' *Grammar* completed.

Open to students who have taken Course 1, or its equivalent.

4 periods, through the year.

3. German Classics Continued. Lessing, *Nathan der Weise;* Schiller, *Wallenstein's Tod, Balladen;* Goethe, *Iphigenia;* Scheffel, *Der Trompeter von Säkkingen, Ekkehard;* Bernhardt's *Literaturgeschichte* read and memorized, with supplementary reading. Lectures, abstracts, essays.

For students electing this Course as the required language of the Freshman or Sophomore year, an additional hour of German Prose will be required. See Course 4.

3 periods, through the year.

4. Advanced German Prose. Selected passages from English authors translated into German. Original themes upon topics assigned. Careful study of syntax, idioms and synonyms.

Required in connection with Course 3 for students electing that Course as required language work of Freshman or Sophomore year.

Elective for all students who have taken Course 1 or 2, or the required Preparatory work. Especially recommended to those who expect to teach German.

1 period, through the year.

5. Course in Modern Novelists and Dramatists. Rapid reading of selected works from Sudermann, Hauptmann, Auerbach, Dahn, Freytag, Grillparzer, Von Kleist.

Elective for students who have taken Courses 1, 2, 3.

2 periods, through the year.

6. Goethe, *Faust,* Part I.; selections from Part II.; critical study of the Faust legend.

Elective for Juniors and Seniors who have taken Courses 1, 2, 3.

2 periods, one semester.

7. German Literature From the Earliest Times to Klopstock. Kluge's *National Literatur* is used as a text-book, accompanied by lectures and reference to the standard

histories of literature. Private work upon assigned topics. Extensive reading of representative works of mediæval literature in modern German translations. Among texts read and discussed are *Das Niebelungenlied*, *Das Gudrunlied*, *Parzifal*, *Tristan und Isolde*, *Der Minnegesang*, *Der Meistergesang*, *Das Volkslied*, the Wagnerian opera texts.

Elective for students who have taken Courses 1, 2, 3, 4, or for graduates and advanced students who can read German fluently.

2 periods, one semester.

8. Literature of the Classical Period from Klopstock through Goethe and Schiller. Texts will be chosen to supplement previous study of the classics, as selections from *Der Messiah*, *Oberon*, *Laokoon*, *Don Karlos*, *Braut von Messina*, *Werthers Lieden*, etc.

This Course is offered under the same conditions as Course 7, and the same methods of study are observed. Open to graduates.

2 periods, one semester.

9. Literature of the Nineteenth Century. Special study of dramatists and lyric poets. Among the texts read are the dramas of Von Kleist, Hauptmann, Gutzkow, and the poems of Chamisso, Uhland, Lenau, Heine, Freiligrath, etc.

A continuation of Courses 7 and 8, and offered under the same conditions. Open to graduates.

2 periods, one semester.

10. Germanic Philology.

a. Gothic. Braune's *Gotische Grammatik;* Ulfilas' translations of the Bible. Lectures upon the development of the German language.

Elective for Seniors or graduates of sufficient advancement in German.

2 periods, first semester.

b. **Old High German.** Braune's *Abriss der Althochdeutschen Grammatik. Althochdeutsches Lesebuch.*

Continuation of Course *a.*

2 periods, second semester.

NOTE.—German is the language of the class room.

Mathematics.

1. *a.* **Solid and Spherical Geometry.** The exercises in Geometry include recitations from the text-book, original demonstrations of propositions, and the application of principles to numerical examples.

3 periods, first semester.

b. **Higher Algebra.** Subject as treated in Taylor's *College Algebra.*

1 period, first semester.

2 periods, second semester.

c. **Plane Trigonometry.**

2 periods, second semester.

a, *b* and *c* required of Freshmen.

2. Spherical Trigonometry.

Elective.

2 periods, one semester.

3. Plane Analytic Geometry. The work consists of investigation of the properties of the right line, the circle and the conic sections.

Elective.

4 periods, one semester.

4. Differential Calculus.

Elective.

4 periods, one semester.

5. Integral Calculus.

Elective,

3 periods, one semester.

Astronomy.

Descriptive Astronomy. Elementary facts and principles with mathematical exercises. Location of the principal constellations. Opportunies given to view with the telescope the sun, moon, stars and nebulæ. (Young's *General Astronomy.*)

Elective, open to all students who have taken required mathematics.

2 periods, through the year.

Physics.

1. Elementary Physics. The class work will consist of lectures on the subjects of mechanics, sound, light, heat, electricity and magnetism. As far as possible these are illustrated by lecture table experiments. Carhart's *University Physics* will form the basis of the lecture work.

In laboratory the students are first instructed in the methods of accurate measurement and in the laws governing the equilibrium and motion of bodies. Later they make determinations of electrical quantities, and problems in heat, sound and light are studied.

4 periods, through the year.

NOTE.—This Course (or Course 1 in Chemistry) required of Sophomores.

Chemistry.

1. General Inorganic Chemistry. 4 periods a week. Laboratory work, 4 hours a week.

This Course does not presuppose a knowledge of Chemistry. It consists of lectures and recitations on the history, occurrence, preparation and properties of the more important non-metallic and metallic elements.

Class-room work is supplemented by work in laboratory, where each student prepares and transforms the chief substances studied. The text-books used are Remsen's *College Text-book of Chemistry* and Keiser's *Laboratory Manual.*

4 periods, through the year.

NOTE.—This Course (or Course 1 in Physics) required of Sophomores.

2. Qualitative Analysis. 3 periods a week. Laboratory work, 2 hours a week.

This Course consists of lectures, reviews and laboratory work in Qualitative Analysis. Ample practice in identifying unknown substances is given to each student. The text-book used is A. A. Noyes' *Qualitative Analysis.*

Elective, open to students who have completed Course 1.
3 periods, first semester.

3. Quantitative Analysis. 2 periods a week. Laboratory work, 2 hours a week.

Lectures and Laboratory work in gravimetric and volumetric methods.

Elective, open to students who have completed Course 1.
3 perions, first semester.

4. Organic Chemistry. 5 periods a week. Laboratory work, 5 hours a week.

Typical organic compounds, their relations and transformations are studied. In the class-room the work is pursued by lectures and reviews. In laboratory, the more simple organic compounds are first studied and the synthesis of more complex substances from these is then taken up. In every preparation attention is given to quantitative results. The text-books followed are

Remsen's *Organic Chemistry* and Gatterman's *Practical Methods of Organic Chemistry.*

Elective, open to students who completed Course 1.
5 periods, second semester.

5. Lectures on Theoretical Chemistry. One hour through the year. In this Course a systematic study is given to the Atomic, Kinetic and Electrolytic Theories of the constitution of matter.

Elective, open to students who have completed Courses 1 and 4.
1 period, through the year.

6. Advanced Organic Chemistry. In this Course two hours a week are devoted to lectures on Methods in Organic Chemistry. Each student is assigned a problem in laboratory, which she solves according to methods used in original research. An organic compound whose composition is unknown is examined and its empirical and structural formulæ are determined. This determination involves the application of the most important laboratory methods used in organic research, such as combustions, molecular weight determinations, etc. It is carried on independently by the student. After the correct solution of this problem, opportunity is offered the student of starting a problem in original work. The Course is especially qualified to fit students for independent research, and has that end in view. It is offered as first year graduate work.

Biology.

1. Comparative Anatomy of Vertebrates. 4 periods a week. Laboratory work, 4 hours a week.

Course *a*. Lectures are given on the skeleton, mus-

cles, digestive, respiratory, nervous and urinogenital systems of the fish, frog, turtle, pigeon and rabbit as types of vertebrates. In laboratory these forms are carefully dissected, their skeletons are mounted, and correct drawings of different organs are made.

Course *b*. Six weeks' study of the embryology of the frog and chick supplements Course *a*. The work is conducted by lectures and charts and by laboratory work. Each student is given an opportunity to make a collection of sections of embryos at various stages of development.

The text-books followed in Courses *a* and *b* are Parker and Haswell's *Text-book of Zoology*, Morgan's *Embryology of the Frog*, and Foster and Balfour's *Elements of Embryology*.

4 periods, first semester.

2. Systematic Invertebrate Zoology. 4 periods a week. Laboratory work, 4 hours a week.

This Course consists of a comparative study of the amœba and other protozoa: of typical members of the following sub-kingdoms: Coelenterata, Platyhelminthes, Nemathelminthes, Trochelminthes, Echinodermata, Annulata, Anthropoda; and of the forms Ascidian and Amphioxus. The text-books followed are Parker and Haswell's *Text-book of Zoology* and Hyatt's *Insecta*.

Elective, open to all students.
4 periods, second semester.

History.

1. The Mediæval Period. An outline study of the history of Europe from the first century to the eleventh century. The object of the Course is to give a general

survey of the political, social and ecclesiastical history of Europe from Augustus to the Treaty of Verdun. Particular attention is paid to the causes of the Fall of Rome, to the Barbarians, to the Development of the Church, and to Feudalism. The work of the department is conducted by means of text-books, such as Duruy's *Middle Ages*, Emerton's *Introduction to the Middle Ages*, Andrew's *Institutes*, etc.; also by topical outlines, maps and lectures.

Required of Sophomores.
3 periods, first semester.

2. **The Mediæval Period (continued).** An outline study of the history of Europe from the Feudal Age to the Renaissance. In this Course particular attention is given to the dominating influence of the Church; to the formation of the European states; to the Holy Roman Empire and the Crusades. The work is conducted as in the first semester.

Required of Sophomores.
3 periods, second semester.

3. **The Modern Period.** A study of the history of Europe from the beginning of the Renaissance to the Treaty of Westphalia, 1648. This Course is a special study of the political and religious history of Europe during the Reformation, by means of biographies, topical outlines and lectures.

Elective, open to those who have completed Courses 1, 2 and 3.
4 periods, first semester.

4. **The Modern Period (continued).** A history of Europe from the close of the Thirty Years' War to the Congress of Vienna, 1815. Special attention is given to

the rise of Prussia, to the French Revolution and the Napoleonic wars.

Elective, open to those who have completed Courses 1, 2 and 3.

3 periods, second semester.

5. English History. The work of this Course is an outline of English History, political and constitutional, from the earliest times to the reign of Henry VII. Text, Gardner's *Students' History*, Green's *History of the English People*, and Stubbs' *History of English Constitution*. Maps, essays and library work are required.

Elective, recommended to Sophomores wishing to specialize in English Literature, but open to all students.

2 or 3 periods, first semester.

6. English History. This Course is a continuation of Course 5, from the reign of Henry VII. to recent times.

Elective, open to those who have completed Course 5.

2 or 3 periods, second semester.

7. Europe in the Nineteenth Century. A study of the political history of Europe from 1815 to 1900.

Elective, open to Graduates and Seniors who have had Courses 3 and 4.

3 periods, first semester.

History of Art.

1. History of Architecture. This is an outline study of Egyptian, Asiatic and Greek Architecture, based upon Hamlin's *History of Architecture*, the study of photographs and collateral reading. Each student is required to make an illustrated note-book.

Elective, open to all students.

2 periods, first semester.

2. History of Architecture. This Course is a continuation of the work of the first semester and is conducted in the same manner. The subjects considered are Early Christian, Byzantine, Romanesque and Gothic Architecture.

Elective, open to those who have had Course 1.
2 periods, second semester.

3. History of Sculpture. This Course provides for an outline study of Egyptian, Assyrian and Greek Sculpture, special attention being given to Greek Sculpture in the fourth and fifth centuries, B. C. The method of study is the same as in Architecture.

Elective, open to those who have had Courses 1 and 2.
2 periods, first somester.

4. History of Sculpture. This Course is a continuation of Course 3, and takes up the study of Græco-Roman, Early Christian, Renaissance and Modern Art.

Elective, open to those who have had Courses 1, 2 and 3.
2 periods, second semester.

5. History of Painting. This Course is an outline study of the Antique and Early Christian period of painting. The method of study is the same as in History of Architecture and Sculpture.

Elective, open to Juniors and Seniors.
2 periods, first semester.

6. History of Painting. This Course is a contination of Course 5, and provides for an outline study of the Italian Renaissance and Modern Painting.

Elective, open to those who have taken Course 5.
2 periods, second semester.

Philosophy.

1. Psychology. The aim in this Course is to give the student a knowledge of the laws and the phenomena of the mind, as well as to cultivate the power of thought. Text-book, James' *Psychology*, *Briefer Course*. References, Wundt, Kulpe, Titchener, Ladd and others.

Required of Juniors.
3 periods, first semester.

2. Logic. In this Course, effort is made to give the student a thorough knowledge of Logic as a science, and of the application of the Syllogism to the forms of deductive reasoning. Text-book, Creighton's *Introductory Logic*.

Required of Juniors.
2 periods, second semester.

3. Ethics. Mackenzie's *Manual of Ethics* is the text-book used in this Course, but the students are referred to other works in order that they may be made acquainted with the leading systems of Ethics, and may also get a clear conception of the basis of obligation and the fundamental principles of morality.

Required of Seniors.
3 periods, first semester.

4. History of Philosophy. An introductory outline of Greek philosophy is followed by a study of the development of modern philosophy. The work of the Course will include constant reference to the standard histories of philosophy.

Elective, open to all who have taken the required work in Psychology.
2 periods, second semester.

5. History of Philosophy. The subject of the Course will be selected from year to year. Some philosophical movement or single work, such as Kant's *Critique of Pure Reason*, will be carefully and critically studied.

Elective, open to those who have taken Course 4.
2 periods, first semester.

6. Christian Evidences. In this Course the aim is to give a complete outline of the grounds upon which the Christian system rests, in order that the student may be made acquainted with the arguments for Theistic and Christian belief.

Elective, open to Seniors, Juniors and Sophomores.
2 periods, first semester.

Political Science.

(*a*) Political Economy.

1. Elements of Political Economy. General introductory Course. Recitations and discussions on the basis of Bullock's *Introduction to the Study of Economics*.

Elective, open to Seniors and Juniors.
2 periods, first semester.

2. Advanced Economics. This Course comprises a brief historical view of the subject and critical studies of the theory of value and wages.

Elective, open to those who have taken Course 1.
2 periods, second semester.

(*b*) Social Science.

1. Elementary Social Science. An introductory Course upon the nature and methods of Social Science, and upon certain social problems, such as those connected with the family, with race and immigration, and with the dependent classes.

Elective, open to Seniors and Juniors.
2 periods, second semester.

Bible.

1. Studies in Hebrew History from the establishment of the Kingdom to the Fall of Jerusalem.

Required of Freshmen.
1 period, through the year.

2. The Hebrew Prophets. A careful study will be made of the historical setting of the books, the character of each prophet and his message to the people.

Required of Sophomores.
1 period, through the year.

3. Historical Study of the Life of Christ.

Required of Juniors.
1 period, through the year.

4. The Establishment of the Christian Church.

a. The Acts.
b. The Apostolic Letters.

Required of Seniors.
1 period, through the year.

5. Studies in Hebrew Poetry.

Elective, open to Juniors and Seniors.
2 periods, first semester.

6. Historical Geography of Palestine.

Elective, open to Juniors and Seniors.
2 periods, second semester.

EQUIPMENT.

Libraries. The College Library, housed in Berry Hall, contains twenty-eight hundred volumes. Students have access to its shelves from 8:15 A. M. to 9:30 P. M. daily. The collection is classified and provided

with a card catalogue. It is the purpose of the officers of the College to collect and maintain a working library for every department of instruction; a thorough reorganization has augmented the working value of the books already on our shelves. Recently one hundred and thirty-five volumes have been purchased for the department of German language and literature, and about fifty titles of standard works have been added to the Classical and the French collection, respectively. The departments of Biblical Literature, History of Art, English Literature, History and Psychology are provided with the books in constant use, while those needed for occasional or special reference are easily accessible in the neighboring public library. The department of History of Art is further equipped with about four hundred mounted photographs for comparison and special study.

The Carnegie Public Library—distant ten minutes by direct trolley line from the College buildings—is, by courtesy of its directors, free to all resident students, and non-residents may, on the payment of a nominal fee, take out books from the circulating department. Valuable and recent collections for the study of Shakespeare, Modern Literature, History, Art, Architecture, Sociology and Political Science are accessible to the students of the College, many of the standard works being either upon open shelves or on the lists of circulating works.

Thus, students of the College have ready access to collections aggregating 128,000 volumes.

The College subscribes for fifty periodicals.

Laboratories. The Science department is located on the third floor of Dilworth Hall, and is provided with a lecture room, chemical and biological laboratories.

Freshmen.

Greene, Lilla A., ... Hoosick Falls, N. Y.
McCormick, Gertrude,* . . . . . Pittsburgh.
Sproull, Madge,* . . . . . Pittsburgh.

Conditioned Freshmen.

Allison, Margaretta, ... Wilkinsburg.
Botkin, Mabel, ... Duquesne.
Lowry, Margaret, ... Wilkinsburg.
Marshall, Virginia, ... Wilkinsburg.
Mellon, Mary, ... Wilkinsburg.

Special Students.

Buehler, Fannie F., ... Pittsburgh.
Campbell, Emma Mellou, ... New Wilmington.
Donahey, Helen, ... Bridgeport, O.
George, Ruth, ... Allegheny.
Grimshaw, Jane, ... Pittsfield, Ill.
McGeagh, Mabel P., ... Pittsburgh.

Recapitulation.

Seniors,	5
Juniors,	4
Sophomores,	8
Freshmen,	8
Special Students,	6
	31

*Advanced credit.

PREPARATORY SCHOOL

OF THE

Pennsylvania College for Women.

PREPARATORY SCHOOL INSTRUCTORS.

JANET L. BROWNLEE,
Principal,
Mathematics.

JANE B. CLARK, A. M.,
Mathematics.

MARY W. BROWNSON, A. B.,
English Bible.

ALICE T. SKILTON, A. B.,
German.

JOSEPHINE DE VALLAY,
French.

ELIZABETH B. ARMSTRONG, A. B.,
History.

LAURA CAROLINE GREEN, A. B.,
Latin.

ISABEL HOSACK, A. B.,
Assistant in Latin.

MARGARET HOLMAN, A. B.,
Greek.

MARY D. LEWIS, A. B.,
English.

EMMA MELLOU CAMPBELL, A. M.,
Assistant in English.

GARNETT E. FULTON, M. E. L.,
In Charge of Grammar Grade.

MARY HAINES HALL,
Physical Culture.

OFFICERS.

MARTHA LANG DUFF,
In Charge of Study Hall.

EMMA MELLOU CAMPBELL, A. M.,
Librarian.

ELIZABETH WEAVER,
Secretary.

MRS. VIVIA PATTERSON STEWART,
Matron.

PREPARATORY SCHOOL.

The Preparatory School offers a four years' course of study, fitting students for entrance to colleges of the first rank. One year of Grammar Grade work is provided to supplement insufficient preparation on the part of applicants for admission.

Girls not less than twelve years of age, who have passed successfully for the eighth year of the public schools, ordinarily will be admitted to the preliminary year (called Grammar Grade) without examinations. Others may, at the discretion of the Faculty, be subjected to examination in Reading, Spelling, Arithmetic as far as Percentage, Geography and English Grammar (including the parts of speech and parsing of simple sentences).

Girls who have passed for admission to the High Schools of Pittsburgh and Allegheny, or other High Schools maintaining an equal standing, will be admitted without examination to the first preparatory year, provided they present satisfactory certificates to that effect. All others may be subjected to examination at the discretion of the Faculty.

Girls seeking admission to an advanced grade may be examined in all prescribed studies leading to that grade.

The scheme of studies in the Grammar Grade and the Preparatory School will be found on the two following pages.

GRAMMAR COURSE.

Mathematics.	English.	Elocution, Etc.	History.	Geography.	Bible.	Total Number of Class Periods Per Week.
Arithmetic beginning with Percentage. Arithmetic Completed, 5 hrs. Elementary Algebra, 3 hrs.	Grammar and Composition, 5 hrs.	Reading, Spelling, } 2 hrs. Writing, 2 hrs.	American History, 4 hrs.	Geography, 2 hrs.	Bible, 1 hr.	24

COLLEGE PREPARATORY COURSE.

Year.	Mathematics.	Latin.	Second Language.	*Third Language.	English.	History.	Bible.	Additional Subjects.	Total Number of Class Periods Per Week.
First Year.	Algebra, 5 hrs.	Latin Lessons, 5 hrs.			Principles of Composition, Literature, 4 hrs.	English History, 3 hrs.	Course 1, 1 hr.	Mythology, 1 hr. Drawing, 1 hr.	20
Second Year.	Algebra, 5 hrs.	Cæsar, 5 hrs.	Greek, French or German, 5 hrs.		Principles of Composition, Literature, 4 hrs.		Course 2, 1 hr.		20
Third Year.	Plane Geometry, 4 hrs.	Cicero, 5 hrs,	Greek, French or German, 5 hrs.		Principles of Composition, Literature, 2 hrs.	Grecian History, 1st semester, 3 hrs. Roman History, 2d semester, 3 hrs.	Courses 3, 4 1 hr.		20
Fourth Year.	Review Mathematics 2 hrs.	Vergil, 4 hrs.	Greek, French or German, 4 hrs.	Greek, French or German, 4 hrs.	Rhetoric, Principles of Composition, Literature, 3 hrs.		Courses 5, 6 1 hr.	Physiology, 1 hr.	19

*Physics may be substituted for the third language.

COURSE OF INSTRUCTION.

Latin.

I. The Roman method of pronunciation is used. All quantities are observed from the first, both in pronunciation and writing. Correct and expressive reading of Latin aloud is practiced, with constant attention to quantity.

II. Special attention is given to synonyms and derivative endings as an aid to facility in reading at sight.

III. Exercises in Latin Prose Composition are of three grades: (*a*) prepared beforehand and brought to class in writing (*Latine Scribenda*); (*b*) prepared beforehand and recited orally (*Latine Dicenda*); (*c*) written or recited in class without previous preparation.

IV. A thorough preparation in English Grammar is considered necessary to obtain the best results in the study of Latin, and evidence of such preparation is required.

1. Elementary Latin. *First Book in Latin* (Tuell and Fowler).

Required in first year.
5 periods, through the year.

2. Cæsar. *The Gallic War* (Kelsey), four books, or an equivalent. Careful study of construction. Practice in sight-reading. Geography of Roman world. Prose work in Collar's *Practical Latin Composition*, Part III. to bottom of page 107. Allen and Green-

ough's *Latin Grammar* is used, and during this year Tuell and Fowler's *First Book in Latin* is reviewed.

Required in second year.
5 periods, through the year.

3. Cicero (Allen and Greenough), seven orations. Continued attention to construction, to Roman Constitution, to argument and style of the orations. Practice in sight-reading. Collar: *Practical Latin Composition*, page 108 through Part IV. General review of Latin Grammar.

Required in third year.
5 periods, through the year.

4. Vergil (Greenough and Kittredge), *Æneid*, six books, with prosody. Practice in sight-reading. Since the pupil is presumed by this time to be well-grounded in construction, this Course is studied from a literary standpoint. Style, figures, descriptions and mythology are studied, and photographs of celebrated works of art are used to illustrate the poem.

Required in fourth year.
4 periods, through the year.

Greek.

1. Elementary Greek. *First Greek Book* (White); Xenophon, *Anabasis* (Goodwin and White); Prose Composition (Pearson).

5 periods, through the year.

2. Xenophon, *Anabasis*, continued through Book IV. Prose Composition continued. Reading at sight and systematic study of Greek Grammar (Goodwin).

5 periods, through the year.

3. Homer, *Iliad* (Seymour), 4 books. *Stories from Herodotus* (Keep). Study of Greek Grammar continued, with particular attention to the irregular verbs of Attic prose.

4 periods, through the year.

English.

***1. Grammar and Composition.** Abbreviations and contractions; correct use of words; parts of speech; parts and kinds of sentences; punctuation; study of words and their derivations; letter-writing; story-writing; memorizing poetry. The work is based upon Longman's *School Grammar.*

***2. Readings.** Irving, *The Legend of Sleepy Hollow;* Bryant, *Sella;* Cooper, *The Spy;* Emerson, *Poems* (selections); Hawthorne, *The Snow-Image;* Longfellow, *The Courtship of Miles Standish* and *Elizabeth;* Whittier, *Poems* (selections); Poe, *The Gold Bug;* Holmes, *Poems* (selections); Lowell, *A Good Word for Winter.*

***3. Outside Readings.**

(*a*) Biography: Field, *Yesterdays with Authors;* Hans Anderson, *Story of My Life;* Irving, *Washington* (abridged).

(*b*) History: Fiske, *War of Independence;* Dickens, *A Child's History of England.*

(*c*) Nature Study: A. B. Paine, *Hollow-Tree and Deep-Woods Book;* Ernest Thompson-Seton, *Wild Animals I Have Known* and *Lives of the Hunted;* R. Jefferies, *Life of the Fields.*

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*English prescribed for Grammar Grade.

(*d*) Poetry: Stevenson, *A Child's Garden of Verses;* Macaulay, *Lays of Ancient Rome;* Shakspere, *Mid-Summer Night's Dream;* Bryant, *Family Library of Poetry and Song* (selections).

(*e*) Fiction: Defoe, *Robinson Crusoe;* Bunyan, *Pilgrim's Progress;* Lamb, *Tales from Shakspere;* Ruskin, *King of the Golden River;* Hale, *A Man Without a Country;* Hawthorne, *Wonder Book* and *Tanglewood Tales;* Alcott, *Little Women* and *Little Men;* Kingsley, *Greek Heroes;* Mrs. Gaskell, *Cranford.*

The *Heart of Oak* series of Literary Readers and *An Introduction to the Study of American Literature* by Brander Mathews are used in this department.

Certificates will be awarded to those students who complete satisfactorily all the *outside readings* recommended to the members of this department. To be considered competitors for this honor, students must enter their names with the instructor not later than the first day of November; must submit, promptly, at stated times, note-books conforming to the instructor's definite directions concerning the work, and must attain an average standing not lower than eighty-five per cent. in tests written in class. Note-books and papers will be examined by a Committee of Award not later than the third week in May.

The presentation of this certificate excuses a student from examination in English for the next higher class.

A Prize will be given to that student whose note-book upon the *outside readings* best merits commendation for (1) neatness, (2) orderly and intelligent arrangement, (3) the number and appropriate character of pictures illustrative of these readings. The prize will be a valuable edition of an American poet.

1. Principles of Composition. Scott and Denney's *Elementary English Composition.* Form of paragraph; form of sentence; punctuation; practice in paragraph writing; practice in sentence writing.

Required in first year.
2 periods, through the year.

2. Literature.

(*a*) Painter, *Introduction to American Literature.*

Required in first year.
2 periods, through the year.

(*b*) Franklin, *Autobiography;* Cooper, *Last of the Mohicans;* Hawthorne, *House of Seven Gables;* Whittier, *Snowbound;* Longfellow, *Courtship of Miles Standish;* Holmes, *Autocrat of the Breakfast Table;* Lincoln, *Gettysburg Speech;* M. E. Wilkins, *A New England Nun.*

Required home readings.

(*c*) Irving, *Selections from Sketch Book;* Cooper, *Deerslayer;* Thoreau, *Succession of Forest Trees, Wild Apples and Sounds;* Hawthorne, *Marble Faun;* Longfellow, *Tales of a Wayside Inn;* Whittier, *The Tent on the Beach;* Mrs. Field, *Friends and Authors;* Burroughs, *Locusts and Wild Honey;* Vandyke, *Little Rivers;* Warner, *A Hunting of the Deer* and other papers; Jackson, *Ramona;* Page, *Meh Lady;* Mark Twain, *Tom Sawyer;* Cable, *Old Creole Days;* Eugene Field, *Love Songs of Childhood.*

Suggested home readings.

1. Principles of Composition. Paragraph structure; sentence structure; figures of speech; choice of words; outline work; description; practice in ten-minute

themes; narration. Text-book used is Scott and Denney's *Elementary English Composition.*

Required in second year.
2 periods, through the year.

2. Literature.

(*a*) Lowell, *Vision of Sir Launfal;* Coleridge, *Ancient Mariner;* George Eliot, *Silas Marner;* Shakspere, *Merchant of Venice;* Scott, *The Lady of the Lake* and *Ivanhoe.*

Required in second year.
2 periods, through the year.

(*b*) Lowell, *A Good Word for Winter*, *My Garden Acquaintance*, *A Moose-Head Journal* and *At Sea;* G. W. Curtis, *James Russell Lowell;* Scott, *Kenilworth* and *Lay of the Last Minstrel;* Byron, *Prisoner of Chillon;* Coleridge, *Favorite Poems;* Wordsworth, *Favorite Poems;* Defoe, *Robinson Crusoe.*

Required home readings.

1. Principles of Composition. Outline-work; narration; practice in ten-minute themes. Text-book used is Scott and Denney's *Composition-Literature.*

2. Literature.

(*a*) Scott, *Ivanhoe;* Irving, *Life of Goldsmith;* Addison, *Sir Roger de Coverley Papers;* Shakspere, *Macbeth;* Tennyson, *Gareth and Lynette*, *Launcelot and Elaine*, *The Passing of Arthur.*

Required in third year.
2 periods, through the year.

(*b*) George Eliot, *Adam Bede;* Thackeray, *Henry Esmond* or *Vanity Fair;* Lamb, *Essays of Elia;* Pope, *Rape of the Lock;* Goldsmith, *The Vicar of Wakefield;*

Stevenson, *Treasure Island;* Matthew Arnold, *Sohrab and Rustum;* Swift, *Gulliver's Travels.*

Required home readings.

1. Principles of Composition and Rhetoric. Outline-work; theme structure; exposition. Text-book used is Scott and Denney's *Composition-Literature.*

Required in fourth year.
1 period, through the year.

2. Literature.

(*a*) Macaulay, *Life of Johnson* and *Essays on Addison;* Pope, *Iliad;* Milton, *Poems;* Burke, *Speech on Conciliation;* Shakspere, *Julius Cæsar.*

Required in fourth year.
2 periods, through the year.

(*b*) Milton, *Paradise Lost* (Books I. and II.); Burns, *Poems* (selections); Stevenson, *Memories and Portraits;* Jane Austen, *Pride and Prejudice;* Cervantes, *Don Quixote* or Hugo, *Les Miserables;* Carlyle, *Essay on Burns* or *Choice of Books;* Thackeray, *The Newcomes* or *English Humourists of the Eighteenth Century.*

Required home readings.

French.

Course 1. Muzzarelli, *Brief French Course.* First Part: Study of the regular and the commoner irregular verbs; easy translation of English into French; Whitney's *Introductory French Reader;* fables memorized; dictation.

5 periods, through the year.

Course 2. Larive et Fleury, *Première Année;* study of irregular verbs; English into French; Bercy, *La*

Langue Française; fables memorized; Lamartine, *Graziella;* Le Brète, *Mon Oncle et mon Curé;* dictation.

5 periods, through the year.

Course 3. Larive et Fleury, *Deuxième Année;* syntax; Blouet, *Primer of French Composition;* La Fontaine, *Select Fables;* Marmier, *Le Protégé de Maria Antoinette;* Michelet, *La Prise de la Bastille;* Belfond, *La France Littéraire au XIX. Siécle;* Ducoudray, *Histoire de France;* dictation.

4 periods, through the year.

German.

Course 1. Joynes and Meissner's *Grammar*, Part I. Reading: Easy stories, as Grimm's *Märchen;* Heyse, *L'Arrabbiata;* Strom, *Immensee;* Von Hillern, *Höher als die Kirche;* Zschokke, *Der Zerbrochene Krug;* Baumbach, *Die Nonna;* Bernhardt's *Prose Composition.* Conversation based upon text; poems memorized; dictation.

5 periods, through the year.

Course 2. Joynes and Meissner's *Grammar* completed. Easy narrative prose continued, as Hauff, *Das Kalte Herz;* Heyse, *Das Mädchen von Treppi;* Frommel, *Eingeschneit;* Riehl, *Das Spielmannskind, Der Stumme Ratsherr;* Baumbach, *Der Schweigersohn;* Bernhardt's *Prose Composition* completed. Constant practice in oral and written abstracts of texts read; poems memorized; dictation; conversation.

5 periods, through the year.

Course 3. Spanhoofd's *Deutsche Grammatik.* Introduction to study of German Classics. Schiller, *William Tell, Jungfrau von Orleans;* Lessing, *Minna von Barn-*

helm; Goethe, *Hermann und Dorothea, Dichtung und Wahrheit;* Heine, *Die Harzreise.* Lectures are given in German upon these works and the lives of the authors. Written and oral abstracts are required. Harris' *Prose Composition.*

4 periods, through the year.

Mathematics.

1. Algebra. Wentworth's *New School Algebra.* The fundamental operations, factoring, fractions, equations of the first degree with one or several unknown quantities, powers and roots, theory of exponents and radicals.

Required in first year.
5 periods, through the year.

2. Algebra. Wentworth's *New School Algebra.* Quadratic equations, inequalities, ratio and proportion, variation, arithmetic, geometric and harmonic progressions, binomial theorem for positive integral exponents.

Required in second year.
5 periods, through the year.

3. Plane Geometry. Wells. Inventional geometry, demonstrations of propositions, original exercises, numerical problems and examples of loci.

Required in third year.
4 periods, through the year.

4. Mathematics Reviewed. A review of Courses 1, 2, 3, with additional subjects in algebra.

Required in fourth year.
2 periods, through the year.

Physics.

1. A Preliminary Survey of the general properties of matter, followed by a more careful study of the gen-

eral principles of Mechanics and Hydrostatics. This Course is *supplemented by the use of many and varied numerical problems*, and requires a knowledge of Algebra and Plane Geometry.

Required in fourth year.
4 periods, first semester.

2. Heat, Light, Sound and Electricity.

Required in fourth year.
4 periods, second semester.

Both Courses include a series of laboratory exercises selected from the list of those recommended by the Uniform College Entrance Examination Board of the Middle States and Maryland. The Preparatory School is thoroughly equipped with the Physical apparatus necessary for this course of study.

Anatomy, Physiology and Hygiene.

This Course is conducted by lectures. Its purpose is to instil intelligent ideas of sanitary conditions based upon practical knowledge of plumbing, drainage and ventilation. Hints will be given in regard to the protection of health at home and abroad, particularly in the matter of observing the laws of quarantine, personal, municipal and maritime. Laboratory methods are employed, and, where possible, tests are made of the purity of water, milk and food. A manikin, models of the eye, ear, brain, throat and other organs, a skeleton and an abundance of charts facilitate clear demonstrations of the matter treated in the lectures.

Required in fourth year.
1 period, through the year.

History.

1. **English History** (Montgomery), with maps, note-book and biographical sketches.

Required in first year.
3 periods, through the year.

2. **Mythology** (Guerber).

Required in first year.
1 period, through the year.

3. **Grecian and Roman History** (Myers' *General History*) to 476 A. D., with maps, note-book and biographical sketches.

Required in third year.
3 periods, through the year.

4. **French History** (Montgomery).

Class may be formed in second year.
2 periods, through the year.

Bible.

1. **Stories from the Old Testament.** Scripture selections are memorized in connection with these lessons.

Required in first year.
1 period, through the year.

2. **The Beginnings of Hebrew History.** This Course carries forward the History of the Children of Israel from the Exodus to the settlement in Canaan.

Required in second year.
1 period, through the year.

3. **The Period of the Judges.**

Required in third year.
1 period, first semester.

4. **The United Kingdom.**

Required in third year.
1 period, second semester.

5. The Divided Kingdom.

Required in fourth year.
1 period, first semester.

6. The Captivity and Restoration.

Required in fourth year.
1 period, second semester.

Physical Training.

Systematic training in the gymnasium is required of all resident students unless excused for physical reasons. Class instruction to day students is optional and is given without extra charge. Each student is examined by the director with reference to physical development before being admitted to classes, and further examinations are made during the year.

The Ling, or Swedish, System of Physical Training is used. The Educational and Corrective Elements play an important part in each lesson. Attention is paid to Æsthetic Dancing as a means of developing ease and grace of carriage, and to Games as a factor in gaining alertness and self-control.

The gymnasium is a large, well-ventilated building, equipped with chest weights, rowing machines, balance swings and other apparatus. The regulation shoes and suit prescribed by the director must be worn by all admitted to the gymnasium.

The Athletic Association affords exceptional opportunities for golf, tennis, basket ball and kindred sports.

Elocution.

Private instruction is given in Elocution, including breathing, tone placing, development and control of

voice, emphasis, rhythm and exercises to acquire a clear, distinct articulation.

Studies in dialect, pathetic, humorous and dramatic recitations, and selected scenes from Shakspere are included in advanced work.

GENERAL INSTRUCTIONS.

Any student desiring to pursue the study of Music and Art in connection with the Preparatory Course should allow one year longer for its completion.

Students may be admitted to the Preparatory School for fewer than the required number of hours per week, but Latin and Mathematics must be selected among the subjects. French and German will not be assigned until after one year's work in Latin.

Certificates will be granted to all who satisfactorily complete the Course as given in the Preparatory School, and these certificates will pass students without conditions into the Freshman Class.

The session for recitations is from a quarter of nine in the morning until 1:45 P. M. Day students who desire it may have their luncheons with the resident students at a small charge.

PREPARATORY STUDENTS.

Fourth Year.

Barbour, Isabelle,	Pittsburgh.
Beard, Irma,	Wilkinsburg.
Bixler, Irma,	Pittsburgh.
Craig, May,*	Pittsburgh.
Darragh, Hazel,	Pittsburgh.
Demmler, Elsie,*	Pittsburgh.
Diehl, Virginia,*	Pittsburgh.
Faunce, Alice,	Carnegie.
Foster, Louise,	Carnegie.
Haney, Caroline,*	Pittsburgh.
Jones, Edna,	Pittsburgh.
Kress, Elsie,	Pittsburgh.

Third Year.

Arnett, Ruth,	Fairmount, W. Va.
Bickle, Elizabeth,*	Pittsburgh.
Bullock, Cornelia,*	Pittsburgh.
Cunningham, Lois,	Pittsburgh.
Diescher, Irma,*	Pittsburgh.
Gray, Frances,*	Pittsburgh.
Greenawalt, Margaret,	Pittsburgh.
Hall, Ethel,*	Colorado Springs, Col.
Kimball, Mary,	Pittsburgh.
Michel, Florence,	Pittsburgh.
Miller, Mary,*	Pittsburgh.
McEwen, Sallie Rodes,	Pittsburgh.
McFarlane, Jean,	Pittsburgh.
McKibbon, Elma,*	Pittsburgh.
Poole, Lulu,*	Pittsburgh.
Rollings, Jean,	Crafton.
Townsend, Elizabeth,	Pittsburgh.

*One condition.

Second Year.

Bell, Martha,	Pittsburgh.
Demmler, Alma,	Pittsburgh.
Goeddel, Henrietta,	Pittsburgh.
Longanecker, Ellen,	Pittsburgh.
Munro, Annie,	Pittsburgh.
McCrum, Julia,	Pittsburgh.
McKibbon, Beula,	Pittsburgh.
Neeper, Agnes,	Pittsburgh.
Schaffner, Charlotte,*	Pittsburgh.
Smith, Evelyn,*	Pittsburgh.
Sturgeon, Bertha,	Pittsburgh.
Tschudy, Paula,	Pittsburgh.
Van Tine, Nellie,	Pittsburgh.

First Year.

Barron, Anna M.,*	Pittsburgh.
Bateman, Louise,	Dixmont.
Bateman, Pauline,	Pittsburgh.
Bennett, Carrie,	Pittsburgh.
Bennett, Essie,	Pittsburgh.
Brown, Elizabeth,	Summerville.
Burgoyne, Florence,	Verona.
Caldwell, Mae,	Pittsburgh.
Campbell, Phyllis,	St. Louis, Mo.
Dick, Ethel,	Scotdale.
Gordon, Stella,*	Carnegie.
Gray, Mary,	Pittsburgh.
Hall, Frances,	Colorado Springs, Col.
Haney, Marguerite,	Pittsburgh.
Hardy, May,	Pittsburgh.
Hitchcock, Lena,	Indiana, Pa.
Ischerwood, Frances,	Pittsburgh.
Keefer, Mary,*	Pittsburgh.
Keim, Elsie,	Pittsburgh.
Kellerman, Maud,	Wilkinsburg.
Kimball, Helen,	Pittsburgh.
Kiser, Anna,	Pittsburgh.

*One condition.

Lawton, Mildred, ... Pittsburgh.
Longanecker, Carrie, ... Pittsburgh.
MacKrell, Edna Elizabeth, ... Pittsburgh.
Mealy, Lyda, ... Bridgeville.
Morrison, Florence, ... Wilkinsburg.
Mugele, Marguerite, ... Pittsburgh.
McIntosh, Janet, ... Sharpsburg.
McKee, Faith, ... Pittsburgh.
Phillis, Janet, ... Pittsburgh.
Porter, Imogen,* . . . . . Connellsville
Rath, Mary Priscilla, ... Chestwick.
Reiber, Hilda, ... Pittsburgh.
Robinsteen, Richmond, ... Pittsburgh.
Ross, Emma, ... Pittsburgh.
Sands, Martha, ... Pittsburgh.
Sankey, Alice, ... Carrick.
Schuler, Bertha, ... Pittsburgh.
Schuster, Frances, ... Pittsburgh.
Sharp, Daisy, ... Pittsburgh.
Smith, Helen, ... Pittsburgh.
Succop, Eleanor, ... Pittsburgh.
Succop, Adelaide,* . . . . . Pittsburgh.
Thomas, Carol, ... Pittsburgh.
Thomas, Lulu, ... Pittsburgh.
Todd, Anna, ... Pittsburgh.
Urling, Marie,* . . . . . Pittsburgh.
Velte, Nora, ... Pittsburgh.
Ward, Martha,* . . . . . Pittsburgh.
West, Helen, ... Pittsburgh.

Grammar Grade.

Atkinson, Alice, ... Wilkinsburg.
Brown, Mary, ... Oakmont.
Caldwell, Virginia, ... Pittsburgh.
Conrad, Anna, ... Pittsburgh.
Golob, Jennie, ... Pittsburgh.
Gosser, Ruth, ... Pittsburgh.
Griffith, Hazel, ... Pittsburgh.
Johnston, Bertha, ... Pittsburgh.

*One condition.

Lysle, Bessie, ... Pittsburgh.
Loyd, Grace, ... Sharpsburg.
MacKrell, Mary, ... Pittsburgh.
Miller, Ruth, ... Pittsburgh.
McAbee, Ruth, ... Pittsburgh.
McClements, Adah, ... Pittsburgh.
Pontefract, Genevieve, ... Pittsburgh.
Prugh, Juliette, ... Pittsburgh.
Ritcher, Winifred, ... Pittsburgh.
Sorg, Marie, ... Pittsburgh.
Titus, Ethel, ... Greensboro.
Watson, Maria, ... Pittsburgh.
Williams, Margaret, ... Pittsburgh.

Irregular Students.

Ahl, Caroline, ... Pittsburgh.
Armstrong, Ruth, ... Oakmont.
Bliss, Bessie, ... Pittsburgh.
Blum, Fannie Lorraine, ... Franklin.
Brown, Grace, ... Pittsburgh.
Burgoyne, Anna, ... Verona.
Cotton, Gertrude, ... Pittsburgh.
Dilworth, Pauline, ... Pittsburgh.
Fisher, Mary, ... Pittsburgh.
Forsythe, Gertrude, ... Fayette City.
Gies, Edna, ... Wilkinsburg.
Hatch, Elizabeth, ... Crafton.
Hausold, Anna, ... Allegheny.
Humphrey, Marie, ... Brookville.
Hunt, Florence, ... Munhall.
Hutchison, Emma, ... Pittsburgh.
Knight, Marion Helene, ... Pittsburgh.
Logan, Mae, ... Chicage, Ill.
Lyon, Elizabeth, ... Bridgeville.
Lysinger, Irene, ... Wilkinsburg.
Marshall, Nancy, ... Pittsburgh.
Marshall, Sara, ... Pittsburgh.
Mohn, Annabel, ... Pittsburgh.
McCracken, Elizabeth, ... Pittsburgh.
McDonald, Julia, ... Aliquippa.

McKelvey, Marion, ... Pittsburgh.
Newell, Laura, ... Wilkinsburg.
Nusser, Hilda, ... Pittsburgh.
Paules, Maud, ... Homestead.
Reno, Rebecca, ... Pittsburgh.
Robb, Helen, ... Pittsburgh.
Robitzer, Marie, ... Pittsburgh.
Slocum, Laura, ... Pittsburgh.
Sneathen, Elizabeth, ... Pittsburgh.
Thackeray, Hilda, ... Pittsburgh.
Todd, Mary, ... Pittsburgh.
Victorine, Sara, ... Pittsburgh.
Warfle, Mary, ... Wilkinsburg.
Weaver, Marguerite, ... Wilkinsburg.
Young, Alice, ... Pittsburgh.
Zollar, Carrie, ... Pittsburgh.

Recapitulation.

Fourth Year,	12
Third Year,	17
Second Year,	13
First Year,	51
Grammar Grade,	21
Irregular Students,	41
Total,	155

SCHOOL OF MUSIC.

JOSEPH H. GITTINGS,
Piano.

EDWARD J. NAPIER,
Organ.

BLANCHE ABBOTT,
Voice, Piano and Musical Theory.

SCHOOL OF MUSIC.

The Music Department is designed to give thorough instruction in both the Science and Arts of Music.

The Course of Study is comprehensive and the department well-equipped. Piano, Organ, Vocal and Harmony are the leading classes, but instruction is provided in other branches as required.

The location of the College near the Carnegie Music Hall gives unusual opportunity for hearing the best music.

Students completing the full course will receive testimonials of Musical Scholarship after passing a test examination.

Course of Study in Piano.

FIRST YEAR.

Instruction in the rudiments of Music and Notation. Formation of the touch, using Plaidy's *Technical Studies* and Weik's *Method*. Simple Scales, Lebert and Stark, Vol. I., and easy pieces by Duvernoy, Heller, Reinecke and Lichner. Sonatines by Clementi and Kuhlau.

SECOND YEAR.

Music Tonality and the Grammar Music. Technical Course will embrace Plaidy's *Simple Technique*, Scale Studies, Etudes of Czerny, and the *Schule der Technique*, Vol. I.; Lebert and Stark, Vol. II.; *Phrasing Studies* by Heller, and pieces from Jensen, Heller,

Mozart, Mendelssohn, Reinecke, and selections from the *Sonaten Studien*, by Kohler.

Third Year.

Sight Reading. *Schule der Technique*, finishing Book I. and commencing Book II. *Gradus ad Parnassum*, by Clementi, arranged by Karl Tausig, Etudes by Heller, Jensen and Moscheles. Selections from the preludes of Chopin and Heller. Sonatas by Haydn, Beethoven and Schubert. Pieces from Chopin, Schumann, Mendelssohn, Field, Liszt, and selections from the *Alte Meisters* as arranged by Paner and Saint-Saëns.

Harmony: Richer or Allrechtsberger methods.

Fourth Year.

A Normal Year—Technical Course. The *Schule der Technique*, Vol. III. Lebert and Stark, selections from Book III. and IV. *Octave Schule* of Kalluk. Wm. St. Bennett, Op. 11. Selections from Bach's works, as arranged by Reinecke. Sonatas and concertos of the Old Masters. Pieces from Chopin, Rubinstein, Liszt, Weber, Schumann, Saint-Saëns, Mendelssohn and Beethoven.

Sixteen Pianos are available for practice, and all practice is under the supervision of a competent assistant.

Course of Study in Organ.

A practical knowledge of the organ has long been regarded by musicians as of great importance, and its value as a factor in the acquirement of purity of touch and style in piano playing is clearly recognized. The constantly increasing demand for organists for both

town and city churches renders it also extremely desirable that students of music should fit themselves to enter upon this field of usefulness. The possession by the College of a fine three-manual organ completes the equipment of the School of Music, and makes it possible to offer to students advantages equal to those of any similar institution.

The text-book used in the Course is *The Organ*, a theoretical and practical treatise by Frederic Archer. It is followed by selections from English, French and German composers.

Course of Study in Violin.

First Year.

Instruction in the proper position of the body, bow, left hand and arm. Production of tone with the bow and correct action of the fingers of the left hand. Studies in the first position for intonation, rhythm and various bowings. Easy pieces with accompaniment of piano. Duets for two violins.

Second Year.

Exercises in the first to third position. Studies in bowing and left-hand technique by Kayser, Dont, Sevcik. *Scale Studies* by Shradieck. Pieces by Dancla, Sitt, Papini and others.

Third Year.

Studies in the higher positions and pieces employing them. Twenty-four studies by Dont from the *Gradus ad Parnassum.*

Fourth Year.

Studies by Kreutzer. Special Studies in bowing by Sevcik. Book I., Op. 36, by Sauret. Viotti concertos. Concertino by David. De Beriot concertos.

Fifth Year.

Studies by Fiorillo and Rode. Book III., Op. 36, by Sauret. Concertos by Viotti, Rode, Kreutzer and David. Concerto pieces by Sauret, Wieniawski and Vieuxtemps. Twenty-four *Matinees* by Gavienees. Twenty *Grands Etudes* by Sauret. Twenty-four Etudes, Op. 35, from *Gradus ad Parnassum* by Dont. Twelve Etudes by Minkons. Twenty-four Caprices by Paganini. Six Solo Sonatas by J. S. Bach. Concertos by Spohr, Mendelssohn, Beethoven, Vieuxtemps, Wieniawski. Sonatas by Corelli, Bach, Handel, Tartini, Mozart and Beethoven. Concert Pieces by Leonard, Alard, Ernst, Saint-Saëns and others.

Courses of Study in Voice Culture.

Instruction in vocal music consists of half-hour private lessons, and class drills in which all voice pupils are expected to take part.

The Italian method of voice building is employed, special attention being given to correct breathing, tone production, phrasing and clear enunciation.

Marchesi's *Art of Singing* is assigned for technical work, in connection with *Vocalizes* by Marchesi, Abt, Concone, Luetgen and other eminent composers, as the advancement of the student justifies.

The Course of Instruction is designed to establish a repertoire in Church, Concert, Oratorio and Operatic Music, versatility being recognized as of the essence of vocal accomplishment.

A Choral Class meets once a week under the direction of the instructor in vocal music. The class is free to any students desirous of joining, the only obligation being prompt and regular attendance at the rehearsals and concerts which take place during the year.

STUDENTS IN PIANO, ORGAN, VOICE, HARMONY.

Piano.

Ahl, Caroline,
Brown, Elizabeth,
Burgoyne, Anna,
Burgoyne, Florence,
Caldwell, Virginia,
Davis, Freda,
Demmler, Elsie,
Donahey, Helen,
Faunce, Alice,
Flynn, Anita,
Forsythe, Gertrude,
Fownes, Sara,
Fownes, Alice,
George, Ruth,
Hazlett, Marie,
Hazlett, Marguerite,
Hunt, Florence,
Humphries, Marie,
Knight, Marion,
Lawton, Mildred,
Logan, Mae,
Martin, Lillian,
Mealy, Lyda,
Montgomery, Bess,
Monro, Helen,
McDonald, Julia,
McIntire, Cora,
Paules, Maud,
Pfeil, Mary,
Packer, Marguerite,
Pontefract, Genevieve,
Porter, Imogene,
Prugh, Juliette,
Rath, Priscilla,
Robensteen, Richmond,
Robitzer, Marie,
Rollings, Jean,
Sanford, Violet,
Urling, Marie,
West, Helen,
Zoller, Carrie.

Organ.

Cotton, Gertrude,
Hall, Ethel,
Hall, Frances.

Harmony.

Donahey, Helen,
Moore, Helen,
Pfeil, Mary.

Voice.

Bateman, Louise,
Blum, Lorraine,
Caldwell, Virginia,
Cotton, Gertrude,
Greenawalt, Margaret,
Griffith, Hazel.
Humphrey, Marie,
Mackrell, Mary,
Montgomery, Elizabeth.

SCHOOL OF ART.

MARTIN B. LEISSER,
Principal,
Life Class.

FLORENCE BALDWIN,
Drawing, Painting, Leather-Tooling,
Basketry.

HARRIET LAMONT MERRIAM,
Design, Perspective,
China Painting.

SCHOOL OF ART.

The purpose of this department is two-fold:

First, and chiefly, to present the subject of Fine Art as a part of Liberal Culture. This includes such instruction in the principles of Art as is necessary to an intelligent appreciation of works of art, and a sufficient training in the Arts of Drawing and Painting to qualify the students for the practical duties of selecting and using the various artistic elements that are necessary to a modern home. The choice of furniture, carpets, hangings, draperies, pictures and other ornaments, and the arrangement of these in proper harmony, due proportion, suitable light, demand a degree of artistic taste and skill that can only be acquired by thorough training and by considerable practical exercise. This Course also gives much attention to the History of Art, and aims to make the great master-pieces familiar to the student.

Second: The other purpose of the Art Department is to prepare the student for some of the vocations of Artistic character. To this end there are provided studios and equipment for the study of Design, Illustration, China Decoration, etc. This branch of the Art Department is practically a continuation of the work formerly done by the Pittsburgh School of Design. The studios are large, well-lighted and well-equipped with such casts, still life, draperies, etc., as are necessary for the work. The life class is provided with suitable models, who pose for the class four days of each week. All the studios are open five days each week from 9:30 to 1:30 for regular students. On Saturdays special classes are held for students who can attend but once a week.

STUDENTS IN ART.

Life Class.

Darsie, Catherine,
Gormley, Eleanor,
Haymaker, Susan,
Klingingsmith, Mary,
Lafferty, Louise,
Mollman, Millie,
Martin, Jean,
McAuley, Mary,
McCance, Martha,
McGeagh, Mabel,
Rea, Marjorie,
Walter, Margaret,
Wigley, Grace.

Still Life.

Anderson, Lou,
Boardman, Ceora,
Brooks, Minnie,
Brown, Marjorie,
Kurtz, Louise,
Miller, Louise,
Steding, Anna,
Tweed, Mattie.

Cast Drawing.

Alberte, Henrietta,
Armstrong, Grace,
Arrons, Beatrice,
Atkinson, Alice,
Bailey, Inez,
Boyce, Marie,
Carter, Mary,
Daume, Harriet,
Diescher, Irma,
Edgell, Ethel,
Ferguson, Louise,
Forsythe, Gertrude,
Fischer, Mary,
Given, Marion,
Gittings, Dorothy,
Gosser, Ruth,
Gray, Jean,
Hoyt, Myrtle,
Hatch, Elizabeth,
Hitchcock, Lena,
Jenewein, Freda,
Knight, Marion,
Keighley, Mrs. S.,
Larpin, Emma,
Longanecker, Ellen,
Pratt, Irene,
Pontefract, Genevieve,
Renton, Theodora,
Reiber, Hilda,
Reed, Agnes,
Robinsteen, Richmond,
Shuman, Anna,
Sterling, Jean,
Stehley, Mary,
Wise, Meorà,
Wiley, Rose,
Weaver, Eleanor.

Design and Composition.

Anderson, Lou,
Armstrong, Grace,
Arrons, Beatrice,
Bailey, Inez,
Boardman, Ceora,
Brown, Marjorie,
Boyce, Marie,
Carter, Mary,
Klingingsmith, Mary,
Darsie, Catherine,
Edgell, Ethel,
Forsythe, Gertrude,
Hitchcock, Lena,
Hoyt, Myrtle,
Haymaker, Susan,
Hatch, Elizabeth,
Lafferty, Louise,
McAuley, Mary,
McCance, Martha,
Martin, Jean,
Mollman, Millie,
Stehley, Mary,
Tweed, Mattie,
Walter, Marguerict,
Wiley, Rose,
Wigley, Grace.

China Decoration.

Gosser, Ruth,
Hamilton, Alma,
Kimball, Helen.

SUMMARY.

College Students,	31
Preparatory,	155
Music,	56
Art,	61
Total, excluding reduplications,	251